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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

CALIFORNIA, USA ONLY

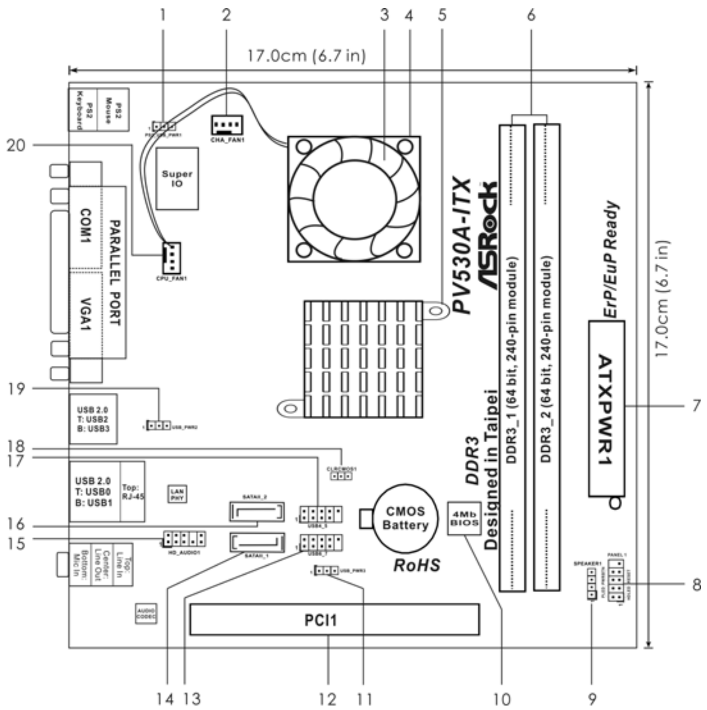
The Lithium battery adopted on this motherboard contains Perchlorate, a toxic substance controlled in Perchlorate Best Management Practices (BMP) regulations passed by the California Legislature. When you discard the Lithium battery in California, USA, please follow the related regulations in advance.
"Perchlorate Material-special handling may apply, see www.dtsc.ca.gov/hazardouswaste/perchlorate"

ASRock Website: http://www.asrock.com

Published November 2011

English

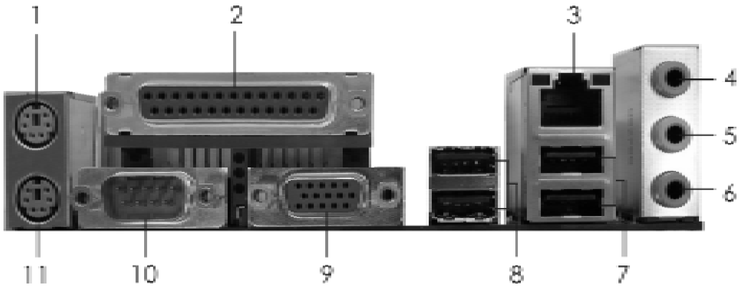
Motherboard Layout



1	PS2_USB_PWR1 Jumper	11	USB_PWR3 Jumper
2	Chassis Fan Connector (CHA_FAN1)	12	PCI Slot (PCI1)
3	CPU Fan	13	USB 2.0 Header (USB6_7, Blue)
4	CPU Heatsink	14	Primary SATAII Connector (SATAII_1; Blue)
5	VIA VX900 A3 Chipset	15	Front Panel Audio Header (HD_AUDIO1, White)
6	2 x 240-pin DDR3 DIMM Slots (DDR3_1, DDR3_2; Blue)	16	Secondary SATAII Connector (SATAII_2; Blue)
7	ATX Power Connector (ATXPWR1)	17	USB 2.0 Header (USB4_5, Blue)
8	System Panel Header (PANEL1, White)	18	Clear CMOS Jumper (CLRCMOS1)
9	Chassis Speaker Header (SPEAKER 1, White)	19	USB_PWR2 Jumper
10	BIOS SPI Chip	20	CPU Fan Connector (CPU_FAN1)

English

I/O Panel



1	PS/2 Mouse Port (Green)	7	USB 2.0 Ports (USB01)
2	Parallel Port	8	USB 2.0 Ports (USB23)
3	RJ-45 Port	9	VGA Port
4	Line In (Light Blue)	10	COM Port
5	Line Out (Lime)	11	PS/2 Keyboard Port (Purple)
6	Microphone (Pink)		

* There are two LED next to the LAN port. Please refer to the table below for the LAN port LED indications.

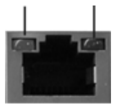
LAN Port LED Indications

Activity/Link LED

Status	Description
Off	No Activity
Blinking	Data Activity

SPEED LED

Status	Description
Off	10Mbps connection
Green	100Mbps connection

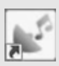


To enable Multi-Streaming function, you need to connect a front panel audio cable to the front panel audio header. After restarting your computer, you will find “VIA HD Audio Deck” tool on your system. Please follow below instructions according to the OS you install.

For Windows® XP OS:

Please click “VIA HD Audio Deck” icon  , and click “Speaker”. Then you are allowed to select “2 Channel” or “4 Channel”. Click “Power” to save your change.

For Windows® 7 / Vista™ OS:

Please click “VIA HD Audio Deck” icon  , and click “Advanced Options” on the left side on the bottom. In “Advanced Options” screen, select “Independent Headphone”, and click “OK” to save your change.

English

1. Introduction

Thank you for purchasing ASRock ***PV530A-ITX*** motherboard, a reliable motherboard produced under ASRock's consistently stringent quality control. It delivers excellent performance with robust design conforming to ASRock's commitment to quality and endurance.

This Quick Installation Guide contains introduction of the motherboard and step-by-step installation guide. More detailed information of the motherboard can be found in the user manual presented in the Support CD.

> Because the motherboard specifications and the BIOS software might be updated, the content of this manual will be subject to change without notice. In case any modifications of this manual occur, the updated version will be available on ASRock website without further notice. You may find the latest VGA cards and CPU support lists on ASRock website as well. ASRock website http://www.asrock.com
> If you require technical support related to this motherboard, please visit our website for specific information about the model you are using.
> www.asrock.com/support/index.asp

1.1 Package Contents

ASRock ***PV530A-ITX*** Motherboard

(Mini-ITX Form Factor: 6.7-in x 6.7-in, 17.0 cm x 17.0 cm)

ASRock ***PV530A-ITX*** Quick Installation Guide

ASRock ***PV530A-ITX*** Support CD

Two Serial ATA (SATA) Data Cables (Optional)

One I/O Panel Shield

1.2 Specifications

Platform	- Mini-ITX Form Factor: 6.7-in x 6.7-in, 17.0 cm x 17.0 cm - Solid Capacitor for CPU power
CPU	- VIA® PV530 Processor (1.8 GHz) - Supports FSB800 MHz - Supports Untied Overclocking Technology (see **CAUTION 1**)
Chipset	- VIA® VX900 A3
Memory	- 2 x DDR3 DIMM slots - Supports DDR3 1066/800 non-ECC, un-buffered memory (see **CAUTION 2**) - Max. capacity of system memory: 4GB (see **CAUTION 3**)
Expansion Slot	- 1 x PCI slot
Graphics	- VIA® Chrome9 HD DX9 Graphics - Pixel Shader 2.0, DirectX 9.0 - Max. shared memory 512MB (see **CAUTION 4**) - Supports D-Sub with max. resolution up to 2048x1536 @ 75Hz
Audio	- 5.1 CH HD Audio (VIA® VT1705 Audio Codec)
LAN	- Realtek PCIE x1 LAN 8105E - Speed: 10/100 Ethernet - Supports Wake-On-LAN - Supports PXE
Rear Panel I/O	I/O Panel - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x Parallel Port (ECP/EPP Support) - 1 x Serial Port: COM1 - 1 x VGA Port - 4 x Ready-to-Use USB 2.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Line in / Front Speaker / Microphone
Connector	- 2 x SATA2 3.0 Gb/s connectors (see **CAUTION 5**) - CPU/Chassis FAN connector - 24 pin ATX power connector - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports)

English

BIOS Feature	- 4Mb AMI BIOS - AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - AMBIOS 2.3.1 Support
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), CyberLink MediaEspresso 6.5 Trial, ASRock Software Suite (CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial; ASRock MAGIX Multimedia Suite - OEM)
Unique Feature	- ASRock OC Tuner (see **CAUTION 6**) - ASRock Instant Boot - ASRock Instant Flash (see **CAUTION 7**) - ASRock OC DNA (see **CAUTION 8**) - ASRock APP Charger (see **CAUTION 9**) - ASRock SmartView (see **CAUTION 10**) - ASRock XFast USB (see **CAUTION 11**) - ASRock XFast LAN (see **CAUTION 12**) - Hybrid Booster: - CPU Frequency Stepless Control (see **CAUTION 13**) - ASRock U-COP (see **CAUTION 14**) - Boot Failure Guard (B.F.G.)
Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU Fan Tachometer - Chassis Fan Tachometer - CPU Quiet Fan - CPU/Chassis Fan Multi-Speed Control - Voltage Monitoring: +12V, +5V, +3.3V, Vcore
OS	- Microsoft® Windows® 7 / Vista™ / XP compliant
Certifications	- FCC, CE, WHQL - ErP/EuP Ready (ErP/EuP ready power supply is required) (see **CAUTION 15**)

* For detailed product information, please visit our website: http://www.asrock.com

WARNING

Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS, applying Untied Overclocking Technology, or using the third-party overclocking tools. Overclocking may affect your system stability, or even cause damage to the components and devices of your system. It should be done at your own risk and expense. We are not responsible for possible damage caused by overclocking.

CAUTION!

1. This motherboard supports Untied Overclocking Technology. Please read "Untied Overclocking Technology" on page 15 for details.
2. DDR3 1066 memory module can only be installed in one of the DDR3 DIMM slots. If you install two DDR3 1066 memory modules on this motherboard, they will run at DDR3 800.
3. Due to the chipset limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® OS.
4. The maximum shared memory size is defined by the chipset vendor and is subject to change. Please check VIA® website for the latest information.
5. Before installing SATAII hard disk to SATAII connector, please read the "SATAII Hard Disk Setup Guide" on page 18 of "User Manual" in the support CD to adjust your SATAII hard disk drive to SATAII mode. You can also connect SATA hard disk to SATAII connector directly.
6. It is a user-friendly ASRock overclocking tool which allows you to surveil your system by hardware monitor function and overclock your hardware devices to get the best system performance under Windows® environment. Please visit our website for the operation procedures of ASRock OC Tuner. ASRock website: http://www.asrock.com
7. ASRock Instant Flash is a BIOS flash utility embedded in Flash ROM. This convenient BIOS update tool allows you to update system BIOS without entering operating systems first like MS-DOS or Windows®. With this utility, you can press <F6> key during the POST or press <F2> key to BIOS setup menu to access ASRock Instant Flash. Just launch this tool and save the new BIOS file to your USB flash drive, floppy disk or hard drive, then you can update your BIOS only in a few clicks without preparing an additional floppy diskette or other complicated flash utility. Please be noted that the USB flash drive or hard drive must use FAT32/16/12 file system.
8. The software name itself – OC DNA literally tells you what it is capable of. OC DNA, an exclusive utility developed by ASRock, provides a convenient way for the user to record the OC settings and share with others. It helps you to save your overclocking record under the operating system and simplifies the complicated recording process of overclocking settings. With OC DNA, you can save your OC settings as a profile and share with your friends! Your friends then can load the OC profile to their own system to get the same OC settings as yours! Please be noticed that the OC profile can only be shared and worked on the same motherboard.
9. If you desire a faster, less restricted way of charging your Apple devices, such as iPhone/iPod/iPad Touch, ASRock has prepared a wonderful solution for you - ASRock APP Charger. Simply installing the APP Charger driver, it makes your iPhone charged much quickly from your computer and up to 40% faster than before. ASRock APP Charger allows you to

English

quickly charge many Apple devices simultaneously and even supports continuous charging when your PC enters into Standby mode (S1), Suspend to RAM (S3), hibernation mode (S4) or power off (S5). With APP Charger driver installed, you can easily enjoy the marvelous charging experience than ever.
ASRock website: http://www.asrock.com/Feature/AppCharger/index.asp

10. SmartView, a new function of internet browser, is the smart start page for IE that combines your most visited web sites, your history, your Facebook friends and your real-time newsfeed into an enhanced view for a more personal Internet experience. ASRock motherboards are exclusively equipped with the SmartView utility that helps you keep in touch with friends on-the-go. To use SmartView feature, please make sure your OS version is Windows® 7 / Vista™, and your browser version is IE8.
ASRock website: http://www.asrock.com/Feature/SmartView/index.asp
11. ASRock XFast USB can boost USB storage device performance. The performance may depend on the property of the device.
12. ASRock XFast LAN provides a faster internet access, which includes below benefits. LAN Application Prioritization: You can configure your application priority ideally and/or add new programs. Lower Latency in Game: After setting online game priority higher, it can lower the latency in game. Traffic Shaping: You can watch Youtube HD video and download files simultaneously. Real-Time Analysis of Your Data: With the status window, you can easily recognize which data streams you are currently transferring.
13. Although this motherboard offers stepless control, it is not recommended to perform over-clocking. Frequencies other than the recommended CPU bus frequencies may cause the instability of the system or damage the CPU.
14. While CPU overheat is detected, the system will automatically shutdown. Before you resume the system, please check if the CPU fan on the motherboard functions properly and unplug the power cord, then plug it back again. To improve heat dissipation, remember to spray thermal grease between the CPU and the heatsink when you install the PC system.
15. EuP, stands for Energy Using Product, was a provision regulated by European Union to define the power consumption for the completed system. According to EuP, the total AC power of the completed system shall be under 1.00W in off mode condition. To meet EuP standard, an EuP ready motherboard and an EuP ready power supply are required. According to Intel's suggestion, the EuP ready power supply must meet the standard of 5v standby power efficiency is higher than 50% under 100 mA current consumption. For EuP ready power supply selection, we recommend you checking with the power supply manufacturer for more details.

2. Installation

PV530A-ITX is a Mini-ITX form factor (6.7" x 6.7", 17.0 x 17.0 cm) motherboard. Before you install the motherboard, study the configuration of your chassis to ensure that the motherboard fits into it.

> Make sure to unplug the power cord before installing or removing the motherboard. Failure to do so may cause physical injuries to you and damages to motherboard components.

2.1 Screw Holes

Place screws into the holes indicated by circles to secure the motherboard to the chassis.

> Do not over-tighten the screws! Doing so may damage the motherboard.

2.2 Pre-installation Precautions

Take note of the following precautions before you install motherboard components or change any motherboard settings.

1. Unplug the power cord from the wall socket before touching any component.
2. To avoid damaging the motherboard components due to static electricity, NEVER place your motherboard directly on the carpet or the like. Also remember to use a grounded wrist strap or touch a safety grounded object before you handle components.
3. Hold components by the edges and do not touch the ICs.
4. Whenever you uninstall any component, place it on a grounded antistatic pad or in the bag that comes with the component.

> Before you install or remove any component, ensure that the power is switched off or the power cord is detached from the power supply.
> Failure to do so may cause severe damage to the motherboard, peripherals, and/or components.

English

2.3 Installation of Memory Modules (DIMM)

PV530A-ITX motherboard provides two 240-pin DDR3 (Double Data Rate 3) DIMM slots.

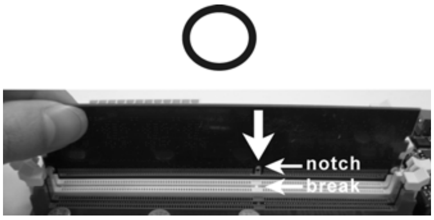
1. It is not allowed to install a DDR or DDR2 memory module into DDR3 slot; otherwise, this motherboard and DIMM may be damaged.
2. DDR3 1066 memory module can only be installed in one of the DDR3 DIMM slots. If you install two DDR3 1066 memory modules on this motherboard, they will run at DDR3 800.

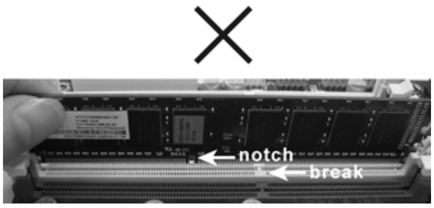
Installing a DIMM

Please make sure to disconnect power supply before adding or removing DIMMs or the system components.

Step 1. Unlock a DIMM slot by pressing the retaining clips outward.

Step 2. Align a DIMM on the slot such that the notch on the DIMM matches the break on the slot.





The DIMM only fits in one correct orientation. It will cause permanent damage to the motherboard and the DIMM if you force the DIMM into the slot at incorrect orientation.

Step 3. Firmly insert the DIMM into the slot until the retaining clips at both ends fully snap back in place and the DIMM is properly seated.

2.4 Expansion Slots (PCI and PCI Express Slots)

There is 1 PCI slot on this motherboard.

PCI Slot: PCI slot is used to install expansion card that has the 32-bit PCI interface.

Installing an expansion card

Step 1. Before installing the expansion card, please make sure that the power supply is switched off or the power cord is unplugged. Please read the documentation of the expansion card and make necessary hardware settings for the card before you start the installation.

Step 2. Remove the system unit cover (if your motherboard is already installed in a chassis).

Step 3. Remove the bracket facing the slot that you intend to use. Keep the screws for later use.

Step 4. Align the card connector with the slot and press firmly until the card is completely seated on the slot.

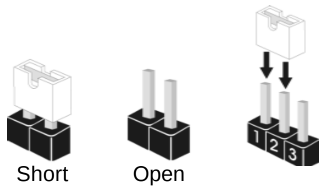
Step 5. Fasten the card to the chassis with screws.

Step 6. Replace the system cover.

English

2.5 Jumpers Setup

The illustration shows how jumpers are setup. When the jumper cap is placed on pins, the jumper is "Short". If no jumper cap is placed on pins, the jumper is "Open". The illustration shows a 3-pin jumper whose pin1 and pin2 are "Short" when jumper cap is placed on these 2 pins.



Jumper	Setting	
PS2_USB_PWR1 (see p.2, No. 1)		Short pin2, pin3 to enable +5VSB (standby) for PS/2 or USB23 wake up events.

Note: To select +5VSB, it requires 2 Amp and higher standby current provided by power supply.

USB_PWR2 (see p.2, No. 19)		Short pin2, pin3 to enable +5V_DUAL for USB01 wake up events.

Note: To select +5V_DUAL, it requires 2 Amp and higher standby current provided by power supply. When you select +5V_DUAL, USB devices can wake up the system under S3 (Suspend to RAM) state.

USB_PWR3 (see p.2, No. 11)		Short pin2, pin3 to enable +5VSB (standby) for USB4_5/6_7 wake up events.

Note: To select +5VSB, it requires 2 Amp and higher standby current provided by power supply.

Clear CMOS Jumper (CLRCMOS1) (see p.2, No. 18)	 Default Clear CMOS

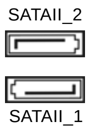
Note: CLRCMOS1 allows you to clear the data in CMOS. The data in CMOS includes system setup information such as system password, date, time, and system setup parameters. To clear and reset the system parameters to default setup, please turn off the computer and unplug the power cord from the power supply. After waiting for 15 seconds, use a jumper cap to short pin2 and pin3 on CLRCMOS1 for 5 seconds. However, please do not clear the CMOS right after you update the BIOS. If you need to clear the CMOS when you just finish updating the BIOS, you must boot up the system first, and then shut it down before you do the clear-CMOS action.

English

2.6 Onboard Headers and Connectors

Onboard headers and connectors are NOT jumpers. Do NOT place jumper caps over these headers and connectors. Placing jumper caps over the headers and connectors will cause permanent damage of the motherboard!

Serial ATAII Connectors
(SATAII_1: see p.2, No. 14)
(SATAII_2: see p.2, No. 16)



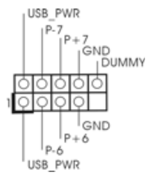
These Serial ATAII (SATAII) connectors support SATAII or SATA hard disk for internal storage devices. The current SATAII interface allows up to 3.0 Gb/s data transfer rate.

Serial ATA (SATA)
Data Cable
(Optional)



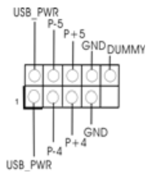
Either end of the SATA data cable can be connected to the SATA / SATAII hard disk or the SATAII connector on the motherboard.

USB 2.0 Headers
(9-pin USB6_7)
(see p.2 No. 13)

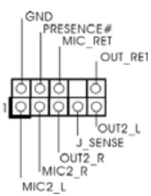


Besides four default USB 2.0 ports on the I/O panel, there are two USB 2.0 headers on this motherboard. Each USB 2.0 header can support two USB 2.0 ports.

(9-pin USB4_5)
(see p.2 No. 17)



Front Panel Audio Header
(9-pin HD_AUDIO1)
(see p.2 No. 15)



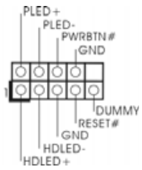
This is an interface for front panel audio cable that allows convenient connection and control of audio devices.

1. High Definition Audio supports Jack Sensing, but the panel wire on the chassis must support HDA to function correctly. Please follow the instruction in our manual and chassis manual to install your system.
2. If you use AC'97 audio panel, please install it to the front panel audio header as below:

English

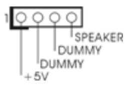
A. Connect Mic_IN (MIC) to MIC2_L.
B. Connect Audio_R (RIN) to OUT2_R and Audio_L (LIN) to OUT2_L.
C. Connect Ground (GND) to Ground (GND).
D. MIC_RET and OUT_RET are for HD audio panel only. You don't need to connect them for AC'97 audio panel.

System Panel Header
(9-pin PANEL1)
(see p.2 No. 8)



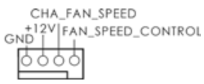
This header accommodates several system front panel functions.

Chassis Speaker Header
(4-pin SPEAKER 1)
(see p.2 No. 9)



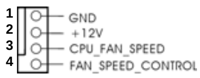
Please connect the chassis speaker to this header.

Chassis Fan Connector
(4-pin CHA_FAN1)
(see p.2 No. 2)



Please connect a CPU fan cable to this connector and match the black wire to the ground pin.

CPU Fan Connector
(4-pin CPU_FAN1)
(see p.2 No. 20)



Please connect a CPU fan cable to this connector and match the black wire to the ground pin.

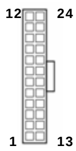
Though this motherboard provides 4-Pin CPU fan (Quiet Fan) support, the 3-Pin CPU fan still can work successfully even without the fan speed control function. If you plan to connect the 3-Pin CPU fan to the CPU fan connector on this motherboard, please connect it to Pin 1-3.

Pin 1-3 Connected ←



3-Pin Fan Installation

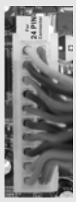
ATX Power Connector
(24-pin ATXPWR1)
(see p.2, No. 7)



Please connect an ATX power supply to this connector.

Though this motherboard provides 24-pin ATX power connector, it can still work if you adopt a traditional 20-pin ATX power supply. To use the 20-pin ATX power supply, please plug your power supply along with Pin 1 and Pin 13.

12 24



1 13

20-Pin ATX Power Supply Installation

2.7 Driver Installation Guide

To install the drivers to your system, please insert the support CD to your optical drive first. Then, the drivers compatible to your system can be auto-detected and listed on the support CD driver page. Please follow the order from up to bottom side to install those required drivers. Therefore, the drivers you install can work properly.

2.8 Untied Overclocking Technology

This motherboard supports Untied Overclocking Technology, which means during overclocking, FSB enjoys better margin due to fixed PCI bus. Before you enable Untied Overclocking function, please enter "Overclock Mode" option of BIOS setup to set the selection from [Auto] to [Manual]. Therefore, CPU FSB is untied during overclocking, but PCI buse is in the fixed mode so that FSB can operate under a more stable overclocking environment.

> Please refer to the warning on page 6 for the possible overclocking risk before you apply Untied Overclocking Technology.

3. BIOS Information

The Flash Memory on the motherboard stores BIOS Setup Utility. When you start up the computer, please press <F2> during the Power-On-Self-Test (POST) to enter BIOS Setup utility; otherwise, POST continues with its test routines. If you wish to enter BIOS Setup after POST, please restart the system by pressing <Ctl> + <Alt> + <Delete>, or pressing the reset button on the system chassis. The BIOS Setup program is designed to be user-friendly. It is a menu-driven program, which allows you to scroll through its various sub-menus and to select among the predetermined choices. For the detailed information about BIOS Setup, please refer to the User Manual (PDF file) contained in the Support CD.

4. Software Support CD information

This motherboard supports various Microsoft® Windows® operating systems: 7 / Vista™ / XP. The Support CD that came with the motherboard contains necessary drivers and useful utilities that will enhance motherboard features. To begin using the Support CD, insert the CD into your CD-ROM drive. It will display the Main Menu automatically if "AUTORUN" is enabled in your computer. If the Main Menu does not appear automatically, locate and double-click on the file "ASSETUP.EXE" from the BIN folder in the Support CD to display the menus.

1. Einführung

Wir danken Ihnen für den Kauf des ASRock ***PV530A-ITX*** Motherboard, ein zuverlässiges Produkt, welches unter den ständigen, strengen Qualitätskontrollen von ASRock gefertigt wurde. Es bietet Ihnen exzellente Leistung und robustes Design, gemäß der Verpflichtung von ASRock zu Qualität und Halbarkeit.

Diese Schnellinstallationsanleitung führt in das Motherboard und die schrittweise Installation ein. Details über das Motherboard finden Sie in der Bedienungsanleitung auf der Support-CD.

> Da sich Motherboard-Spezifikationen und BIOS-Software verändern können, kann der Inhalt dieses Handbuches ebenfalls jederzeit geändert werden. Für den Fall, dass sich Änderungen an diesem Handbuch ergeben, wird eine neue Version auf der ASRock-Website, ohne weitere Ankündigung, verfügbar sein. Die neuesten Grafikkarten und unterstützten CPUs sind auch auf der ASRock-Website aufgelistet.
> ASRock-Website: http://www.asrock.com
> Wenn Sie technische Unterstützung zu Ihrem Motherboard oder spezifische Informationen zu Ihrem Modell benötigen, besuchen Sie bitte unsere Webseite:
> www.asrock.com/support/index.asp

1.1 Kartoninhalt

ASRock ***PV530A-ITX*** Motherboard
(Mini-ITX-Formfaktor: 17.0 cm x 17.0 cm; 6.7 Zoll x 6.7 Zoll)
ASRock ***PV530A-ITX*** Schnellinstallationsanleitung
ASRock ***PV530A-ITX***_ Support-CD
Zwei Seriell-ATA- (SATA) Datenkabel (Option)
Ein I/O Shield

1.2 Spezifikationen

Plattform	- Mini-ITX-Formfaktor: 17.0 cm x 17.0 cm; 6.7 Zoll x 6.7 Zoll - Festkondensator für CPU-Leistung
CPU	- VIA® PV530-Prozessor (1.8 GHz) - Unterstützt FSB800 MHz - Unterstützt Untied-Übertaktungstechnologie (siehe **VORSICHT 1**)
Chipsatz	- VIA® VX900 A3
Speicher	- 2 x Steckplätze für DDR3 - Unterstützt DDR3 1066/800 non-ECC, ungepufferter Speicher (siehe **VORSICHT 2**) - Max. Kapazität des Systemspeichers: 4GB (siehe **VORSICHT 3**)
Erweiterungs-steckplätze	- 1 x PCI -Steckplätze
Onboard-VGA	- VIA® Chrome9 HD DX9-Grafikkarte - Pixel Shader 2.0, DX9.0 VGA - Maximal gemeinsam genutzter Speicher 512MB (siehe **VORSICHT 4**) - Unterstützt D-Sub mit einer maximalen Auflösung von 2048 x 1536 bei 75 Hz
Audio	- 5.1 CH HD Audio (VIA® VT1705 Audio Codec)
LAN	- Realtek PCIE x1 LAN 8105E - Speed: 10/100 Ethernet - Unterstützt Wake-On-LAN - Unterstützt PXE
E/A-Anschlüsse an der Rückseite	I/O Panel - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x Parallel Port (ECP/EPP Support) - 1 x Serieller port: COM 1 - 1 x VGA Port - 4 x Ready-to-Use USB 2.0 Ports - 1 x RJ-45 LAN Port mit LED (ACT/LINK LED und SPEED LED) - Audioanschlüsse: Line In / Line Out / Mikrofon
Anschlüsse	- 2 x SATA2-Anschlüsse, unterstützt bis 3.0 Gb/s Datenübertragungsrate (siehe **VORSICHT 5**) - CPU/Gehäuse-Anschluss - 24-pin ATX-Netz-Header - Anschluss für Audio auf der Gehäusevorderseite

Deutsch

	- 2 x USB 2.0 Buchse (unterstützt 4 USB 2.0 Ports)
BIOS	- 4Mb AMI BIOS - AMI legal BIOS mit Unterstützung für "Plug and Play" - ACPI 1.1-Weckfunktionen - JumperFree-Modus - SMBIOS 2.3.1
Support-CD	- Treiber, Dienstprogramme, Antivirussoftware (Probeversion), CyberLink MediaEspresso 6.5 Trial, Suite logicielle ASRock (CyberLink DVD Suite - OEM- und Testversion; Creative Sound Blaster X-Fi MB - Testversion; ASRock MAGIX-Multimedia-Suite - OEM)
Einzigartige Eigenschaft	- ASRock OC Tuner (siehe **VORSICHT 6**) - ASRock Sofortstart - ASRock Instant Flash (siehe **VORSICHT 7**) - ASRock OC DNA (siehe **VORSICHT 8**) - ASRock APP Charger (siehe **VORSICHT 9**) - ASRock SmartView (siehe **VORSICHT 10**) - ASRock XFast USB (siehe **VORSICHT 11**) - ASRock XFast LAN (siehe **VORSICHT 12**) - Hybrid Booster: - Schrittloser CPU-Frequenz-Kontrolle (siehe **VORSICHT 13**) - ASRock U-COP (siehe **VORSICHT 14**) - Boot Failure Guard (B.F.G. – Systemstartfehlerschutz)
Hardware Monitor	- Überwachung der CPU-Temperatur - Motherboardtemperaturerkennung - Drehzahlmessung für CPU-Lüfter - Drehzahlmessung für Gehäuselüfter - CPU-Lüftergeräuschdämpfung - Mehrstufige Geschwindigkeitsteuerung für CPU-/Gehäuselüfter - Spannungsüberwachung: +12V, +5V, +3.3V, Vcore
Betriebssysteme	- Unterstützt Microsoft® Windows® 7 / Vista™ / XP
Zertifizierungen	- FCC, CE, WHQL - Gemäß Ökodesign-Richtlinie (ErP/EuP) (Stromversorgung gemäß Ökodesign-Richtlinie (ErP/EuP) erforderlich) (siehe **VORSICHT 15**)

* Für die ausführliche Produktinformation, besuchen Sie bitte unsere Website: http://www.asrock.com

Deutsch

WARNUNG

Beachten Sie bitte, dass Overclocking, einschließlich der Einstellung im BIOS, Anwenden der Untied Overclocking-Technologie oder Verwenden von Overclocking-Werkzeugen von Dritten, mit einem gewissen Risiko behaftet ist. Overclocking kann sich nachteilig auf die Stabilität Ihres Systems auswirken oder sogar Komponenten und Geräte Ihres Systems beschädigen. Es geschieht dann auf eigene Gefahr und auf Ihre Kosten. Wir übernehmen keine Verantwortung für mögliche Schäden, die aufgrund von Overclocking verursacht wurden.

VORSICHT!

1. Dieses Motherboard unterstützt die Untied-Übertaktungstechnologie. Unter "Entkoppelte Übertaktungstechnologie" auf Seite 15 finden Sie detaillierte Informationen.
2. Das DDR3-1066-Speichermodul kann nur in einem der DDR3-DIMM-Steckplätze installiert werden. Wenn Sie zwei DDR3-1066-Speichermodule auf diesem Motherboard installieren möchten, laufen diese bei DDR3-800.
3. Aufgrund von Chipset-Einschränkungen könnte unter Windows® OS die für das System reservierte Speichergröße unterhalb von 4 GB liegen.
4. Die Maximalspeichergröße ist von den Chipshändler definiert und umgetauscht. Bitte überprüfen Sie VIA® website für die neuliche Information.
5. Vor Installation der SATAII-Festplatte an den SATAII-Anschluss lesen Sie bitte "Setup-Anleitung für SATAII-Festplatte" auf Seite 18 der "Bedienungsanleitung" auf der Support-CD, um Ihre SATAII-Festplatte dem SATAII-Modus anzugleichen. Sie können die SATA-Festplatte auch direkt mit dem SATAII-Anschluss verbinden.
6. Es ist ein benutzerfreundlicher ASRock Übertaktenswerkzeug, das erlaubt, dass Sie Ihr System durch den Hardware-Monitor Funktion zu überblicken und Ihre Hardware-Geräte übertakten, um die beste Systemleistung unter der Windows® Umgebung zu erreichen. Besuchen Sie bitte unsere Website für die Operationsverfahren von ASRock OC Tuner. ASRock-Website: http://www.asrock.com
7. ASRock Instant Flash ist ein im Flash-ROM eingebettetes BIOS-Flash-Programm. Mithilfe dieses praktischen BIOS-Aktualisierungswerkzeugs können Sie das System-BIOS aktualisieren, ohne dafür zuerst Betriebssysteme wie MS-DOS oder Windows® aufrufen zu müssen. Mit diesem Programm bekommen Sie durch Drücken der <F6>-Taste während des POST-Vorgangs oder durch Drücken der <F2>-Taste im BIOS-Setup-Menü Zugang zu ASRock Instant Flash. Sie brauchen dieses Werkzeug einfach nur zu starten und die neue BIOS-Datei auf Ihrem USB-Flash-Laufwerk, Diskettenlaufwerk oder der Festplatte zu speichern, und schon können Sie Ihr BIOS mit nur wenigen Klickvorgängen ohne Bereitstellung einer zusätzlichen Diskette oder eines anderen komplizierten Flash-Programms aktualisieren. Achten Sie darauf, dass das USB-Flash-Laufwerk oder die Festplatte das Dateisystem FAT32/16/12 benutzen muss.

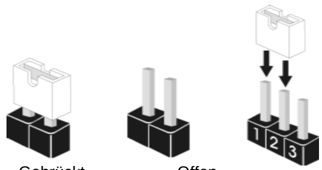
8. Allein der Name – OC DNA* – beschreibt es wörtlich, was die Software zu leisten vermag. OC DNA ist ein von ASRock exklusiv entwickeltes Dienstprogramm, das Nutzern eine bequeme Möglichkeit bietet, Übertaktungseinstellungen aufzuzeichnen und sie Anderen mitzuteilen. Es hilft Ihnen, Ihre Übertaktungsaufzeichnung im Betriebssystem zu speichern und vereinfacht den komplizierten Aufzeichnungsvorgang von Übertaktungseinstellungen. Mit OC DNA können Sie Ihre Übertaktungseinstellungen als Profil abspeichern und Ihren Freunden zugänglich machen! Ihre Freunde können dann das Übertaktungsprofil auf ihren eigenen Systemen laden, um dieselben Übertaktungseinstellungen. Mit OC DNA können Sie Ihre Übertaktungseinstellungen als Profil abspeichern und Ihren Freunden zugänglich machen! Ihre Freunde können dann das Übertaktungsprofil auf ihren eigenen Systemen laden, um dieselben Übertaktungseinstellungen wie Sie zu erhalten! Beachten Sie bitte, dass das Übertaktungsprofil nur bei einem identischen Motherboard gemeinsam genutzt und funktionsfähig gemacht werden kann. Übertaktungseinstellungen wie Sie zu erhalten! Beachten Sie bitte, dass das Übertaktungsprofil nur bei einem identischen Motherboard gemeinsam genutzt und funktionsfähig gemacht werden kann.
9. Wenn Sie nach einer schnelleren, weniger eingeschränkten Möglichkeit zur Aufladung Ihrer Apple-Geräte (z. B. iPhone/iPad/iPod touch) suchen, bietet ASRock Ihnen eine wunderbare Lösung – den ASRock APP Charger. Installieren Sie einfach den ASRock APP Charger-Treiber; dadurch lädt sich Ihr iPhone wesentlich schneller über einen Computer auf – genaugenommen bis zu 40 % schneller als zuvor. Der ASRock APP Charger ermöglicht Ihnen die schnelle Aufladung mehrerer Apple-Geräte gleichzeitig; der Ladevorgang wird sogar dann fortgesetzt, wenn der PC den Ruhezustand (S1), Suspend to RAM-Modus (S3) oder Tiefschlafmodus (S4) aufruft oder ausgeschaltet wird (S5). Nach der Installation des APP Charger-Treibers können Sie im Handumdrehen das großartigste Ladeerlebnis überhaupt genießen. ASRock-Webseite: http://www.asrock.com/Feature/AppCharger/index.asp
10. SmartView, eine neue Internetbrowserfunktion, ist eine intelligente IE-Startseite, die meist besuchte Internetseiten, Ihren Browserverlauf, Facebook-Freunde und Nachrichten in Echtzeit miteinander kombiniert: In einer speziellen Ansicht, die das Internet noch angenehmer und aufre-gender macht. ASRock-Motherboards werden exklusiv mit der Smart-View-Software geliefert, die auch dafur sorgt, dass Sie immer mit Ihren Freunden in Verbindung bleiben. Die SmartView-Funktionen konnen Sie mit den Windows®-Betriebssystemen 7 / Vista™ und dem Internet Explorer ab Version 8 nutzen. ASRock-Website: http://www.asrock.com/Feature/SmartView/index.asp

Deutsch

11. ASRocks XFast USB dient der Steigerung der Leistungsfähigkeit Ihrer USB-Speichergeräte. Die Leistung kann je nach Eigenschaften des Gerätes variieren.
12. ASRock XFast LAN bietet einen schnelleren Internetzugang mit den nachfolgenden Vorteilen. LAN-Anwendungspriorisierung: Hiermit kon-fi gurieren Sie auf ideale Weise Ihre Anwendungsprioritat und/oder fugen neue Programme hinzu. Niedrigere Latenzzeit bei Spielen: Nach Einstel-lung einer hoheren Online-Gameprioritat kann hiermit die Latenzzeit bei Spielen herabgesetzt werden.
    Datenverkehrsgestaltung: Sie konnen Youtube-Videos in HD anzeigen und gleichzeitig Dateien herunterladen. Echtzeitanalyse Ihrer Daten: Uber das Statusfenster konnen Sie schnell ermitteln, welche Datenstrome zur Zeit ubertragen werden.
13. Obwohl dieses Motherboard stufenlose Steuerung bietet, wird Overclocking nicht empfohlen. Frequenzen, die von den empfohlenen CPU-Busfrequenzen abweichen, können Instabilität des Systems verursachen oder die CPU beschädigen.
14. Wird eine Überhitzung der CPU registriert, führt das System einen automatischen Shutdown durch. Bevor Sie das System neu starten, prüfen Sie bitte, ob der CPU-Lüfter am Motherboard richtig funktioniert, und stecken Sie bitte den Stromkabelstecker aus und dann wieder ein. Um die Wärmeableitung zu verbessern, bitte nicht vergessen, etwas Wärmeleitpaste zwischen CPU und Kühlkörper zu sprühen.
15. EuP steht für Energy Using Product und kennzeichnet die Ökodesign-Richtlinie, die von der Europäischen Gemeinschaft zur Festlegung des Energieverbrauchs von vollständigen Systemen in Kraft gesetzt wurde. Gemäß dieser Ökodesign-Richtlinie (EuP) muss der gesamte Netzstromverbrauch von vollständigen Systemen unter 1,00 Watt liegen, wenn sie ausgeschaltet sind. Um dem EuP-Standard zu entsprechen, sind ein EuP-fähiges Motherboard und eine EuP-fähige Stromversorgung erforderlich. Gemäß einer Empfehlung von Intel muss eine EuP-fähige Stromversorgung dem Standard entsprechen, was bedeutet, dass bei einem Stromverbrauch von 100 mA die 5-Volt-Standby-Energieeffizienz höher als 50% sein sollte. Für die Wahl einer EuP-fähigen Stromversorgung empfehlen wir Ihnen, weitere Details beim Hersteller der Stromversorgung abzufragen.

1.3 Einstellung der Jumper

Die Abbildung verdeutlicht, wie Jumper gesetzt werden. Werden Pins durch Jumperkappen verdeckt, ist der Jumper “gebrückt”. Werden keine Pins durch Jumperkappen verdeckt, ist der Jumper “offen”. Die Abbildung zeigt einen 3-Pin Jumper dessen Pin1 und Pin2 “gebrückt” sind, bzw. es befindet sich eine Jumper-Kappe auf diesen beiden Pins.



Gebrückt Offen

Jumper	Einstellun	
PS2_USB_PWR1 (siehe S.2, No. 1)		Überbrücken Sie Pin2, Pin3, um +5VSB (Standby) zu setzen und die PS/2 oder USB23-Weckfunktionen zu aktivieren.

Hinweis: Um +5VSB nutzen zu können, muss das Netzteil auf dieser Leitung 2A oder mehr leisten können.

USB_PWR2 (siehe S.2, No. 19)		Überbrücken Sie Pin2, Pin3, um +5V_DUAL zu setzen und die USB01-Weckfunktionen zu aktivieren.

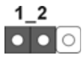
Hinweis: Um +5V_DUAL nutzen zu können, muss das Netzteil auf dieser Leitung 2A oder mehr leisten können. Wenn Sie +5V_DUAL auswahlen, konnen USB-Gerate das System aus dem S3-Zustand (Suspend to RAM) aufwecken.

USB_PWR3 (siehe S.2, No. 11)		Überbrücken Sie Pin2, Pin3, um +5VSB (Standby) zu setzen und die USB4_5/6_7-Weckfunktionen zu aktivieren.

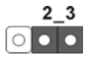
Hinweis: Um +5VSB nutzen zu können, muss das Netzteil auf dieser Leitung 2A oder mehr leisten können.

Deutsch

CMOS löschen
(CLRCMOS1, 3-Pin jumper)
(siehe S.2, No. 18)



Default-
Einstellung



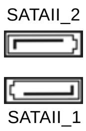
CMOS
löschen

Hinweis: CLRCMOS1 erlaubt Ihnen das Löschen der CMOS-Daten. Diese beinhalten das System-Passwort, Datum, Zeit und die verschiedenen BIOS-Parameter. Um die Systemparameter zu löschen und auf die Werkseinstellung zurückzusetzen, schalten Sie bitte den Computer ab und entfernen das Stromkabel. Benutzen Sie eine Jumperkappe, um die Pin 2 und Pin 3 an CLRCMOS1 für 5 Sekunden kurzzuschließen. Bitte vergessen Sie nicht, den Jumper wieder zu entfernen, nachdem das CMOS gelöscht wurde. Bitte vergessen Sie nicht, den Jumper wieder zu entfernen, nachdem das CMOS gelöscht wurde. Wenn Sie den CMOS-Inhalt gleich nach dem Aktualisieren des BIOS löschen müssen, müssen Sie zuerst das System starten und dann wieder ausschalten, bevor Sie den CMOS-Inhalt löschen.

1.4 Integrierte Header und Anschlüsse

Integrierte Header und Anschlüsse sind KEINE Jumper. Setzen Sie KEINE Jumperkappen auf diese Header und Anschlüsse. Wenn Sie Jumperkappen auf Header und Anschlüsse setzen, wird das Motherboard unreparierbar beschädigt!

Seriell-ATAII-Anschlüsse
(SATAII_1: siehe S.2, Punkt 14)
(SATAII_2: siehe S.2, Punkt 16)



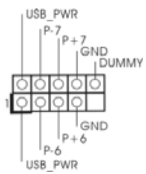
Diese zwei Serial ATA (SATA II) -Anschlüsse unterstützen interne SATA- oder SATA II-Festplatten. Die aktuelle SATAII-Schnittstelle ermöglicht eine Datenübertragungsrate bis 3,0 Gb/s.

Serial ATA- (SATA-) Datenkabel (Option)

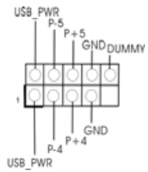


Sie können beide Enden des SATA-Datenkabels entweder mit der SATA / SATAII-Festplatte oder dem SATAII-Anschluss am Mainboard verbinden.

USB 2.0-Header
(9-pol. USB6_7)
(siehe S.2 - No. 13)

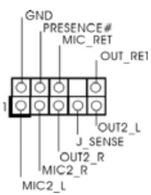


(9-pol. USB4_5)
(siehe S.2 - No. 17)



Zusätzlich zu den vier üblichen USB 2.0-Ports an den I/O-Anschlüssen befinden sich zwei USB 2.0-Anschlussleisten am Motherboard. Pro USB 2.0-Anschlussleiste werden zwei USB 2.0-Ports unterstützt.

Anschluss für Audio auf der Gehäusevorderseite
(9-Pin HD_AUDIO1)
(siehe S.2 - No. 15)

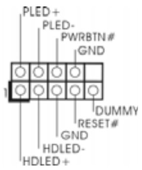


Dieses Interface zu einem Audio-Panel auf der Vorderseite Ihres Gehäuses, ermöglicht Ihnen eine bequeme Anschlussmöglichkeit und Kontrolle über Audio-Geräte.

Deutsch

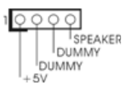
1. High Definition Audio unterstützt Jack Sensing (automatische Erkennung falsch angeschlossener Geräte), wobei jedoch die Bildschirmverdrahtung am Gehäuse HDA unterstützen muss, um richtig zu funktionieren. Beachten Sie bei der Installation im System die Anweisungen in unserem Handbuch und im Gehäusehandbuch.
2. Wenn Sie die AC'97-Audioleiste verwenden, installieren Sie diese wie nachstehend beschrieben an der Front-Audioanschlussleiste:
   A. Schließen Sie Mic_IN (MIC) an MIC2_L an.
   B. Schließen Sie Audio_R (RIN) an OUT2_R und Audio_L (LIN) an OUT2_L an.
   C. Schließen Sie Ground (GND) an Ground (GND) an.
   D. MIC_RET und OUT_RET sind nur für den HD-Audioanschluss gedacht. Diese Anschlüsse müssen nicht an die AC'97-Audioleiste angeschlossen werden.

System Panel-Header
(9-pin PANEL1)
(siehe S.2 - No. 8)



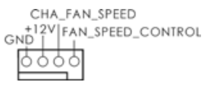
Dieser Header unterstützt mehrere Funktion der Systemvorderseite.

Gehäuselautsprecher-Header
(4-pin SPEAKER1)
(siehe S.2 - No. 9)



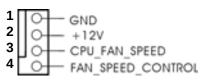
Schließen Sie den Gehäuselautsprecher an diesen Header an.

Gehäuselüfteranschluss
(4-pin CHA_FAN1)
(siehe S.2 - No. 2)



Verbinden Sie das Gehäuselüfterkabel mit diesem Anschluss und passen Sie den schwarzen Draht dem Erdungsstift an.

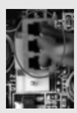
CPU-Lüfteranschluss
(3-pin CPU_FAN1)
(siehe S.2 - No. 23)



Verbinden Sie das CPU - Lüfterkabel mit diesem Anschluss und passen Sie den schwarzen Draht dem Erdungsstift an.

Obwohl dieses Motherboard einen vierpoligen CPU-Lüfteranschluss (Quiet Fan) bietet, können auch CPU-Lüfter mit dreipoligem Anschluss angeschlossen werden; auch ohne Geschwindigkeitsregulierung. Wenn Sie einen dreipoligen CPU-Lüfter an den CPU-Lüferanschluss dieses Motherboards anschließen möchten, verbinden Sie ihn bitte mit den Pins 1 – 3.

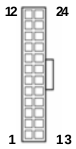
Pins 1–3 anschließen



Lüfter mit dreipoligem Anschluss installieren

Deutsch

ATX-Netz-Header
(24-pin ATXPWR1)
(siehe S.2 - No. 7)



Verbinden Sie die ATX-Stromversorgung mit diesem Header.

Obwohl dieses Motherboard einen 24-pol. ATX-Stromanschluss bietet, kann es auch mit einem modifizierten traditionellen 20-pol. ATX-Netzteil verwendet werden. Um ein 20-pol. ATX-Netzteil zu verwenden, stecken Sie den Stecker mit Pin 1 und Pin 13 ein.



Installation eines 20-pol. ATX-Netzteils

Deutsch

2. BIOS-Information

Das Flash Memory dieses Motherboards speichert das Setup-Utility. Drücken Sie <F2> während des POST (Power-On-Self-Test) um ins Setup zu gelangen, ansonsten werden die Testroutinen weiter abgearbeitet. Wenn Sie ins Setup gelangen wollen, nachdem der POST durchgeführt wurde, müssen Sie das System über die Tastenkombination <Ctrl> + <Alt> + <Delete> oder den Reset-Knopf auf der Gehäusevorderseite, neu starten. Natürlich können Sie einen Neustart auch durchführen, indem Sie das System kurz ab- und danach wieder anschalten.
Das Setup-Programm ist für eine bequeme Bedienung entwickelt worden. Es ist ein menügesteuertes Programm, in dem Sie durch unterschiedliche Untermenüs scrollen und die vorab festgelegten Optionen auswählen können. Für detaillierte Informationen zum BIOS-Setup, siehe bitte das Benutzerhandbuch (PDF Datei) auf der Support CD.

3. Software Support CD information

Dieses Motherboard unterstützt eine Reiche von Microsoft® Windows® Betriebssystemen: 7 / Vista™ / XP. Die Ihrem Motherboard beigefügte Support-CD enthält hilfreiche Software, Treiber und Hilfsprogramme, mit denen Sie die Funktionen Ihres Motherboards verbessern können Legen Sie die Support-CD zunächst in Ihr CD-ROM-Laufwerk ein. Der Willkommensbildschirm mit den Installationsmenüs der CD wird automatisch aufgerufen, wenn Sie die "Autorun"-Funktion Ihres Systems aktiviert haben.
Erscheint der Wilkommensbildschirm nicht, so "doppelklicken" Sie bitte auf das File ASSETUP.EXE im BIN-Verzeichnis der Support-CD, um die Menüs aufzurufen.
Das Setup-Programm soll es Ihnen so leicht wie möglich machen. Es ist menügesteuert, d.h. Sie können in den verschiedenen Untermenüs Ihre Auswahl treffen und die Programme werden dann automatisch installiert.

Deutsch

1. Introduction

Merci pour votre achat d'une carte mère ASRock ***PV530A-ITX***, une carte mère très fiable produite selon les critères de qualité rigoureux de ASRock. Elle offre des performances excellentes et une conception robuste conformément à l'engagement d'ASRock sur la qualité et la fiabilité au long terme.
Ce Guide d'installation rapide présente la carte mère et constitue un guide d'installation pas à pas. Des informations plus détaillées concernant la carte mère pourront être trouvées dans le manuel l'utilisateur qui se trouve sur le CD d'assistance.

Les spécifications de la carte mère et le BIOS ayant pu être mis à jour, •le contenu de ce manuel est sujet à des changements sans notification. Au cas où n'importe qu'elle modification intervenait sur ce manuel, la version mise à jour serait disponible sur le site web ASRock sans nouvel avis. Vous trouverez les listes de prise en charge des cartes VGA et CPU également sur le site Web ASRock.
Site web ASRock, http://www.asrock.com
Si vous avez besoin de support technique en relation avec cette carte mère, veuillez consulter notre site Web pour de plus amples informations particulières au modèle que vous utilisez.
www.asrock.com/support/index.asp

1.1 Contenu du paquet

Carte mère ASRock ***PV530A-ITX***
(Facteur de forme Mini-ITX : 6.7 pouces x 6.7 pouces, 17.0 cm x 17.0 cm)
Guide d'installation rapide ASRock ***PV530A-ITX***
CD de soutien ASRock ***PV530A-ITX***
Deux câble de données Serial ATA (SATA) (en option)
Un écran I/O

1.2 Spécifications

Format	- Facteur de forme Mini-ITX : 6.7 pouces x 6.7 pouces, 17.0 cm x 17.0 cm - Condensateur résistant pour alimentation de processeur
CPU	- Processeur VIA® PV530 (1.8 GHz) - FSB800 MHz - Prend en charge la technologie Untied Overclocking (voir **ATTENTION 1**)
Chipsets	- VIA® VX900 A3
Mémoire	- 2 x slot DIMM DDR3 - Supporte DDR3 1066/800 non-ECC, sans amortissement mémoire (voir **ATTENTION 2**) - Capacité maxi de mémoire système: 4GB (voir **ATTENTION 3**)
Slot d'extension **VGA sur carte**	- 1 x slot PCI - Moteur graphique intégré VIA® Chrome9 HD DX9 - nuanceur de pixels 2.0, VGA DX9.0 - mémoire partagée max 512MB (voir **ATTENTION 4**) - Prend en charge le D-Sub avec une résolution maximale jusqu'à 2048x1536 @ 75Hz
Audio	- 5.1 Son haute définition de CH (codec audio VIA® VT1705)
LAN	- Realtek PCIE x1 LAN 8105E - Vitesse: 10/100 Ethernet - Support du Wake-On-LAN - Support du PXE
Panneau arrière E/S	I/O Panel - 1 x port souris PS/2 - 1 x port clavier PS/2 - 1 x port parallèle: Support ECP/EPP - 1 x port série: COM 1 - 1 x port VGA - 4 x ports USB 2.0 par défaut - 1 x port LAN RJ-45 avec LED (ACT/LED CLIGNOTANTE et LED VITESSE) - Jack audio: entrée ligne / sortie ligne / microphone
Connecteurs	- 2 x connecteurs SATA2, prennent en charge un taux de transfert de données pouvant aller jusqu'à 3.0Go/s (voir **ATTENTION 5**) - Connecteur pour ventilateur de CPU/Châssis - br. 24 connecteur d'alimentation ATX

Français

	- Connecteur audio panneau avant - 2 x en-tête USB 2.0 (accepte 4 ports USB 2.0)
BIOS	- 4Mb BIOS AMI - BIOS AMI - Support du “Plug and Play” - Compatible pour événements de réveil ACPI 1.1 - Gestion jumperless - Support SMBIOS 2.3.1
CD d’assistance	- Pilotes, utilitaires, logiciel anti-virus (Version d’essai), CyberLink MediaEspresso 6.5 Trial, Suite logicielle ASRock (CyberLink DVD Suite - Version OEM et d’essai; Creative Sound Blaster X-Fi MB - Version d’essai; Suite multimédia ASRock MAGIX - OEM)
Caractéristique unique	- Tuner ASRock OC (voir **ATTENTION 6**) - ASRock l'Instant Boot - ASRock Instant Flash (voir **ATTENTION 7**) - ASRock OC DNA (voir **ATTENTION 8**) - Chargeur ASRock APP (voir **ATTENTION 9**) - ASRock SmartView (voir **ATTENTION 10**) - ASRock XFast USB (voir **ATTENTION 11**) - ASRock XFast LAN (voir **ATTENTION 12**) - L’accélérateur hybride: - Contrôle direct de la fréquence CPU (voir **ATTENTION 13**) - ASRock U-COP (voir **ATTENTION 14**) - Garde d’échec au démarrage (B.F.G.)
Surveillance système	- Contrôle de la température CPU - Mesure de température de la carte mère - Tachéomètre ventilateur CPU - Tachéomètre ventilateur châssis - Ventilateur silencieux d’unité centrale - Commande de ventilateur CPU/boîtier à plusieurs vitesses - Monitoring de la tension: +12V, +5V, +3.3V, Vcore
OS	- Microsoft® Windows® 7 / Vista™ / XP
Certifications	- FCC, CE, WHQL - Prêt pour ErP/EuP (alimentation Prêt pour ErP/EuP requise) (voir **ATTENTION 15**)

* Pour de plus amples informations sur les produits, s’il vous plaît visitez notre site web: http://www.asrock.com

Français

ATTENTION

Il est important que vous réalisiez qu'il y a un certain risque à effectuer l'overclocking, y compris ajuster les réglages du BIOS, appliquer la technologie Untied Overclocking, ou utiliser des outils de tiers pour l'overclocking. L'overclocking peut affecter la stabilité de votre système, ou même causer des dommages aux composants et dispositifs de votre système. Si vous le faites, c'est à vos frais et vos propres risques. Nous ne sommes pas responsables des dommages possibles causés par l'overclocking.

ATTENTION!

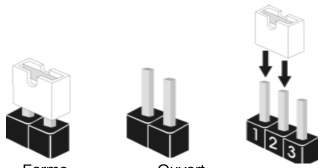
1. Cette carte mère prend en charge la technologie Untied Overclocking. Veuillez lire "La technologie de surcadençage à la volée" à la page 15 pour plus d'informations.
2. Le module mémoire DDR3 1066 peut uniquement être installé dans l'une des fentes DIMM DDR3. Si vous installez deux modules DDR3 1066 sur cette carte-mère, ils fonctionneront en version DDR3 800.
3. A cause des limites de la puce, la taille de la mémoire réservée pour le système peut être inférieure à 4 Go sous Windows® OS.
4. La dimension maximum du memoire partage est definie par le vendeur de jeu de puces et est sujet de changer. Veuillez verifier la VIA® website pour les informations recentes SVP.
5. Avant d'installer le disque dur SATAII au connecteur SATAII, veuillez lire le Guide « Installation du disque dur SATAII » à la page 18 du « Manuel de l'utilisateur » qui se trouve sur le CD de support pour régler votre lecteur de disque dur SATAII au mode SATAII. Vous pouvez aussi directement connecter le disque dur SATA au connecteur SATAII.
6. Il s'agit d'un usage facile ASRock overclocking outil qui vous permet de surveiller votre système en fonction de la monitrice de matériel et overclocker vos périphériques de matériels pour obtenir les meilleures performances du système sous environnement Windows®. S'il vous plaît visitez notre site web pour le fonctionnement des procédures de Tuner ASRock OC.
   ASRock website: http://www.asrock.com
7. O ASRock Instant Flash é um utilitário de flash do BIOS incorporado na memória Flash ROM. Esta prática ferramenta de actualização do BIOS permite-lhe actualizar o BIOS do sistema sem necessitar de entrar nos sistemas operativos, como o MS-DOS ou o Windows®. Com este utilitário, poderá premir a tecla <F6> durante o teste de arranque POST ou premir a tecla <F2> para exibir o menu de configuração do BIOS para aceder ao ASRock Instant Flash. Execute esta ferramenta para guardar o novo ficheiro de BIOS numa unidade flash USB, numa disquete ou num disco rígido, em seguida, poderá actualizar o BIOS com apenas alguns cliques sem ter de utilizar outra disquete ou outro complicado utilitário de flash. Note que a unidade flash USB ou a unidade de disco rígido devem utilizar o sistema de ficheiros FAT32/16/12.

8. Le nom même du logiciel – OC DNA vous indique littéralement ce dont il est capable. OC DNA, utilitaire exclusif développé par ASRock, offre une façon pratique pour l'utilisateur d'enregistrer les paramètres d'overclockage et de les partager avec d'autres. Il vous aide à enregistrer votre overclockage sous le système d'exploitation et simplifie le processus compliqué d'enregistrement des paramètres d'overclockage. Avec OC DNA , vous pouvez enregistrer vos réglages d'overclockage en tant que profil et les partager avec vos amis ! Vos amis peuvent alors charger le profil d'overclockage sur leur propre système pour obtenir les mêmes réglages d'overclockage que les vôtres ! Veuillez noter que le profil d'overclockage peut être partagé et utilisé uniquement sur la même carte mère.
9. Si vous désirez un moyen plus rapide et moins contraignant de recharger vos appareils Apple tels que iPhone/iPod/iPad Touch, ASRock a préparé pour vous la solution idéale - le chargeur ASRock APP. Il suffit d'installer le pilote du chargeur APP, et vous pourrez recharger rapidement votre iPhone à partir de votre ordinateur, jusqu'à 40% plus vite qu'avant. Le chargeur ASRock APP vous permet de charger rapidement et simultanément plusieurs appareils Apple, et le chargement continu est même pris en charge lorsque le PC passe en mode Veille (S1), Suspension à la RAM (S3), hibernation (S4) ou hors tension (S5). Lorsque le pilote du chargeur APP est installé, vous découvrez un mode de mise en charge tout à fait inédit. Site web ASRock : http://www.asrock.com/Feature/AppCharger/index.asp
10. SmartView, nouvelle fonction pour les navigateurs Internet, est une page de démarrage intelligente pour IE qui combine vos sites web les plus visités, votre historique, vos amis Facebook et vos fils d'actualité en temps réel, le tout sous forme d'affichage évolué, pour une expérience Internet plus personnelle. Les cartes mères ASRock sont équipées de l'utilitaire SmartView qui vous aide à garder le contact avec vos proches à tout moment. Pour utiliser la fonction SmartView, veuillez vous as surer que votre système d'exploitation est Windows® 7 / Vista™, et que la version de votre navigateur est IE8.
    Site web ASRock : http://www.asrock.com/Feature/SmartView/index.asp
11. ASRock XFast USB permet d'améliorer les performances de votre périphérique de stockage USB. Les performances réelles dépendent des propriétés du périphérique.
12. ASRock XFast LAN fournit un acces Internet plus rapide, avec les avantages suivants. Priorisation d¡¦application LAN : Vous pouvez confi gurer votre priorite d¡¦application idealement et/ou ajouter des nouveaux programmes. Latence plus basse dans les jeux : Apres avoir regle la priorite de jeux en ligne plus haute, cela peut reduire la latence dans les jeux. Forme du trafi c : Vous pouvez regarder des videos HD YouTube et telecharger simultanement des fi chiers. Analyse en temps reel de vos don-nees : Avec la fenetre d¡¦etat, vous pouvez facilement reconnaitre les fl ux de donnees que vous etes en train de transferer.

13. Même si cette carte mère offre un contrôle sans souci, il n'est pas recommandé d'y appliquer un over clocking. Des fréquences de bus CPU autres que celles recommandées risquent de rendre le système instable ou d'endommager le CPU et la carte mère.
14. Lorsqu'une surchauffe du CPU est détectée, le système s'arrête automatiquement. Avant de redémarrer le système, veuillez vérifier que le ventilateur d'UC sur la carte mère fonctionne correctement et débranchez le cordon d'alimentation, puis rebranchez-le. Pour améliorer la dissipation de la chaleur, n'oubliez pas de mettre de la pâte thermique entre le CPU le dissipateur lors de l'installation du PC.
15. EuP, qui signifie Energy Using Product (Produit Utilisant de l'Energie), est une disposition établie par l'Union Européenne pour définir la consommation de courant pour le système entier. Conformément à la norme EuP, le courant CA total du système entier doit être inférieur à 1 W en mode d'arrêt. Pour être conforme à la norme EuP, une carte mère EuP et une alimentation EuP sont requises. Selon les suggestions d'Intel', l'alimentation électrique EuP doit correspondre à la norme, qui est que l'efficacité électrique de 5v en mode de veille doit être supérieure à 50% pour 100 mA de consommation de courant. Pour choisir une alimentation électrique conforme à la norme EuP, nous vous recommandons de consulter votre fournisseur de courant pour plus de détails.

1.3 Réglage des cavaliers

L'illustration explique le réglage des cavaliers. Quand un capuchon est placé sur les broches, le cavalier est « FERME ». Si aucun capuchon ne relie les broches,le cavalier est « OUVERT ». L'illustration montre un cavalier à 3 broches dont les broches 1 et 2 sont « FERMEES » quand le capuchon est placé sur ces 2 broches.



Ferme   Ouvert

Le cavalier	Description	
PS2_USB_PWR1 (voir p.2 fig. 1)		Court-circuitez les broches 2 et 3 pour choisir +5VSB (standby) et permettre aux périphériques PS/2 ou USB23 de réveiller le système.

Note: Pour sélectionner +5VSB, il faut obligatoirement 2 Amp et un courant standby supérieur fourni par l'alimentation.

USB_PWR2 (voir p.2 fig. 19)		Court-circuitez les broches 2 et 3 pour choisir +5V_DUAL et permettre aux périphériques USB01 de réveiller le système.

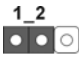
Note: Pour sélectionner +5V_DUAL, il faut obligatoirement 2 Amp et un courant standby supérieur fourni par l'alimentation. Lorsque vous selectionnez +5V_DUAL, les peripheriques USB reveillent le systeme en etat S3 (Suspension a la RAM).

USB_PWR3 (voir p.2 fig. 11)		Court-circuitez les broches 2 et 3 pour choisir +5VSB (standby) et permettre aux périphériques USB4_5/6_7 de réveiller le système.

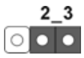
Note: Pour sélectionner +5VSB, il faut obligatoirement 2 Amp et un courant standby supérieur fourni par l'alimentation.

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Effacer la CMOS
(CLRCMOS1)
(voir p.2 fig. 18)



Paramètres par défaut



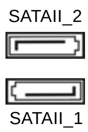
Effacer la CMOS

Note: CLRCMOS1 vous permet d’effacer les données qui se trouvent dans la CMOS. Les données dans la CMOS comprennent les informations de configuration du système telles que le mot de passe système, la date, l’heure et les paramètres de configuration du système. Pour effacer et réinitialiser les paramètres du système pour retrouver la configuration par défaut, veuillez mettre l’ordinateur hors tension et débrancher le cordon d’alimentation de l’alimentation électrique. Attendez 15 secondes, puis utilisez un capuchon de cavalier pour court-circuiter la broche 2 et la broche 3 sur CLRCMOS1 pendant 5 secondes. Après avoir court-circuité le cavalier Effacer la CMOS, veuillez enlever le capuchon de cavalier. Toutefois, veuillez ne pas effacer la CMOS tout de suite après avoir mis le BIOS à jour. Si vous avez besoin d’effacer la CMOS lorsque vous avez fini de mettre le BIOS à jour, vous devez d’abord initialiser le système, puis le mettre hors tension avant de procéder à l’opération d’effacement de la CMOS.

1.4 En-têtes et Connecteurs sur Carte

Les en-têtes et connecteurs sur carte NE SONT PAS des cavaliers. NE PAS placer les capuchons de cavalier sur ces en-têtes et connecteurs. Le fait de placer les capuchons de cavalier sur les en-têtes et connecteurs causera à la carte mère des dommages irréversibles!

Connecteurs Série ATAII
(SATAII_1: voir p.2 fig. 14)
(SATAII_2: voir p.2 fig. 16)



Ces deux connecteurs Serial ATA (SATAII) prennent en charge les disques durs SATA ou SATAII pour les dispositifs de stockage interne. L'interface SATAII actuelle permet des taux transferts de données pouvant aller jusqu'à 3,0 Go/s.

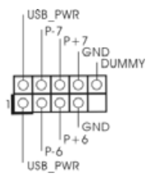
Câble de données Série ATA (SATA)
(en option)

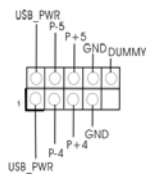


L'une des deux extrémités du câble de données SATA peut être connectée au disque dur SATA / SATAIIou au connecteur SATAII sur la carte mère.

En-tête USB 2.0
(USB6_7 br.9)
(voir p.2 No. 13)

(USB4_5 br.9)
(voir p.2 No. 17)

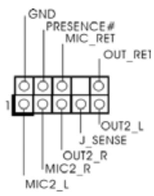




A côté des quatre ports USB 2.0 par défaut sur le panneau E/S, il y a deux embases USB 2.0 sur cette carte mère. Chaque embase USB 2.0 peut prendre en charge 2 ports USB 2.0.

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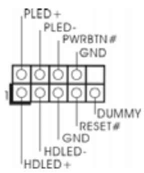
Connecteur audio panneau avant
(HD_AUDIO1 br. 9)
(voir p.2 No. 15)



C'est une interface pour un câble audio en façade qui permet le branchement et le contrôle commodes de périphériques audio.

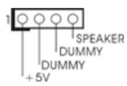
1. L'audio à haute définition (HDA) prend en charge la détection de fiche, mais le fil de panneau sur le châssis doit prendre en charge le HDA pour fonctionner correctement. Veuillez suivre les instructions dans notre manuel et le manuel de châssis afin installer votre système.
2. Si vous utilisez le panneau audio AC'97, installez-le sur l'adaptateur audio du panneau avant conformément à la procédure ci-dessous :
   A. Connectez Mic_IN (MIC) à MIC2_L.
   B. Connectez Audio_R (RIN) à OUT2_R et Audio_L (LIN) à OUT2_L.
   C. Connectez Ground (GND) à Ground (GND).
   D. MIC_RET et OUT_RET sont réservés au panneau audio HD. Vous n'avez pas besoin de les connecter pour le panneau audio AC'97.

En-tête du panneau système
(9-pin PANEL1)
(voir p.2 No. 8)



Cet en-tête permet d'utiliser plusieurs fonctions du panneau système frontal.

En-tête du haut-parleur de châssis
(SPEAKER1 br. 4)
(voir p.2 No. 9)



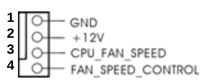
Veuillez connecter le haut-parleur de châssis sur cet en-tête.

Connecteur du ventilateur de châssis
(CHA_FAN1 br. 4)
(voir p.2 No. 2)



Veuillez connecter le câble du ventilateur du châssis sur ce connecteur en branchant le fil noir sur la broche de terre.

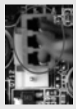
Connecteur du ventilateur de l'UC
(CPU_FAN1 br. 4)
(voir p.2 No. 20)



Veuillez connecter le câble de ventilateur d'UC sur ce connecteur et brancher le fil

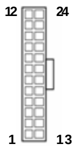
Bien que cette carte mère offre un support de (Ventilateur silencieux) ventilateur de CPU à 4 broches , le ventilateur de CPU à 3 broches peut bien fonctionner même sans la fonction de commande de vitesse du ventilateur. Si vous prévoyez de connecter le ventilateur de CPU à 3 broches au connecteur du ventilateur de CPU sur cette carte mère, veuillez le connecter aux broches 1-3.

Installation de ventilateur à 3 broches



Broches 1-3 connectées

En-tête d'alimentation ATX
(ATXPWR1 br. 24)
(voir p.2 No. 7)



Veuillez connecter l'unité d'alimentation ATX sur cet en-tête.

Bien que cette carte mère fournisse un connecteur de courant ATX 24 broches, elle peut encore fonctionner si vous adopter une alimentation traditionnelle ATX 20 broches. Pour utiliser une alimentation ATX 20 broches, branchez à l'alimentation électrique ainsi qu'aux broches 1 et 13.



20-Installation de l'alimentation électrique ATX

Français

2. Informations sur le BIOS

La puce Flash Memory sur la carte mère stocke le Setup du BIOS. Lorsque vous démarrez l'ordinateur, veuillez presser <F2> pendant le POST (Power-On-Self-Test) pour entrer dans le BIOS; sinon, le POST continue ses tests de routine. Si vous désirez entrer dans le BIOS après le POST, veuillez redémarrer le système en pressant <Ctl> + <Alt> + <Suppr>, ou en pressant le bouton de reset sur le boîtier du système. Vous pouvez également redémarrer en éteignant le système et en le rallumant. L'utilitaire d'installation du BIOS est conçu pour être convivial. C'est un programme piloté par menu, qui vous permet de faire défiler par ses divers sous-menus et de choisir parmi les choix prédéterminés. Pour des informations détaillées sur le BIOS, veuillez consulter le Guide de l'utilisateur (fichier PDF) dans le CD technique.

3. Informations sur le CD de support

Cette carte mère supporte divers systèmes d'exploitation Microsoft® Windows®: 7 / Vista™ / XP. Le CD technique livré avec cette carte mère contient les pilotes et les utilitaires nécessaires pour améliorer les fonctions de la carte mère. Pour utiliser le CD technique, insérez-le dans le lecteur de CD-ROM. Le Menu principal s'affiche automatiquement si "AUTORUN" est activé dans votre ordinateur. Si le Menu principal n'apparaît pas automatiquement, localisez dans le CD technique le fichier "ASSETUP.EXE" dans le dossier BIN et double-cliquez dessus pour afficher les menus.

1. Introduzione

Grazie per aver scelto una scheda madre ASRock ***PV530A-ITX***, una scheda madre affidabile prodotta secondo i severi criteri di qualità ASRock. Le prestazioni eccellenti e il design robusto si conformano all'impegno di ASRock nella ricerca della qualità e della resistenza.

Questa Guida Rapida all'Installazione contiene l'introduzione alla motherboard e la guida passo-passo all'installazione. Informazioni più dettagliate sulla motherboard si possono trovare nel manuale per l'utente presente nel CD di supporto.

> Le specifiche della scheda madre e il software del BIOS possono essere aggiornati, pertanto il contenuto di questo manuale può subire variazioni senza preavviso. Nel caso in cui questo manuale sia modificato, la versione aggiornata sarà disponibile sul sito di ASRock senza altro avviso. Sul sito ASRock si possono anche trovare le più recenti schede VGA e gli elenchi di CPU supportate.
> ASRock website http://www.asrock.com
> Se si necessita dell'assistenza tecnica per questa scheda madre, visitare il nostro sito per informazioni specifiche sul modello che si sta usando.
> www.asrock.com/support/index.asp

1.1 Contenuto della confezione

Scheda madre ASRock ***PV530A-ITX***
(Mini-ITX Form Factor: 6.7-in x 6.7-in, 17.0 cm x 17.0 cm)
Guida di installazione rapida ASRock ***PV530A-ITX***
CD di supporto ASRock ***PV530A-ITX***
Due cavo dati Serial ATA (SATA) (Opzionale)
Un I/O Shield

1.2 Specifiche

Piattaforma	- Mini-ITX Form Factor: 6.7-in x 6.7-in, 17.0 cm x 17.0 cm - Condensatore solido per alimentazione CPU
Processore	- Processore VIA® PV530 (1.8 GHz) - FSB800 MHz - Supporta la tecnologia overclocking “slegata” (vedi **ATTENZIONE 1**)
Chipset	- VIA® VX900 A3
Memoria	- 2 x slot DDR3 DIMM - Supporto DDR3 1066/800 non-ECC, momoria senza buffer (vedi **ATTENZIONE 2**) - Capacità massima della memoria di sistema: 4GB (vedi **ATTENZIONE 3**)
Slot di espansione	- 1 x slot PCI
VGA su scheda	- VIA® Chrome9 HD DX9 Graphics - Pixel Shader 2.0, VGA DX9.0 - Memoria massima condivisa 512MB (vedi **ATTENZIONE 4**) - Supporta D-Sub con risoluzione massima fino a 2048x1536 @ 75Hz
Audio	- 5.1 Audio HD CH (VIA® VT1705 Audio Codec)
LAN	- Realtek PCIE x1 LAN 8105E - Velocità: 10/100 Ethernet - Supporta Wake-On-LAN - Supporta PXE
Pannello posteriore I/O	I/O Panel - 1 x porta PS/2 per mouse - 1 x porta PS/2 per tastiera - 1 x Porta parallela: supporto ECP/EPP - 1 x Porta COM - 1 x Porta VGA - 4 x porte USB 2.0 già integrate - 1 x porte LAN RJ-45 con LED (LED azione/collegamento e LED velocità) - Audio Jack: Line In / Line Out / Microfono

Italiano

Connettori	- 2 x connettori SATA2 3.0Go/s (vedi **ATTENZIONE 5**) - Connettore CPU/Chassis ventola - 24-pin collettore alimentazione ATX - Connettore audio sul pannello frontale - 2 x header USB 2.0 (supporta 4 porte USB 2.0)
BIOS	- 4Mb AMI BIOS - Suppor AMI legal BIOS - Supporta "Plug and Play" - Compatibile con ACPI 1.1 wake up events - Supporta jumperfree - Supporta SMBIOS 2.3.1
CD di supporto	- Driver, utilità, software antivirus (Versione dimostrativa), CyberLink MediaEspresso 6.5 Trial, Suite software ASRock (Suite CyberLink DVD - OEM e Versione demo; Creative Sound Blaster X-Fi MB - Versione demo; Suite multimediale ASRock MAGIX - OEM)
Caratteristica speciale	- Sintonizzatore ASRock OC (vedi **ATTENZIONE 6**) - ASRock Instant Boot - ASRock Instant Flash (vedi **ATTENZIONE 7**) - ASRock OC DNA (vedi **ATTENZIONE 8**) - Caricatore ASRock APP Charger (vedi **ATTENZIONE 9**) - ASRock SmartView (vedi **ATTENZIONE 10**) - ASRock XFast USB (vedi **ATTENZIONE 11**) - ASRock XFast LAN (vedi **ATTENZIONE 12**) - Booster ibrido: - Stepless control per frequenza del processore (vedi **ATTENZIONE 13**) - ASRock U-COP (vedi **ATTENZIONE 14**) - Boot Failure Guard (B.F.G.)
Monitoraggio Hardware	- Sensore per la temperatura del processore - Sensore temperatura scheda madre - Indicatore di velocità per la ventola del processore - Indicatore di velocità per la ventola di raffreddamento - Ventola CPU silenziosa - Ventola CPU/chassis con controllo di varie velocità - Voltaggio: +12V, +5V, +3.3V, Vcore
Compatibilità SO	- Microsoft® Windows® 7 / Vista™ / XP
Certificazioni	- FCC, CE, WHQL - Predisposto ErP/EuP (è necessaria l'alimentazione predisposta per il sistema ErP/EuP) (vedi **ATTENZIONE 15**)

* Per ulteriori informazioni, prego visitare il nostro sito internet: http://www.asrock.com

Italiano

AVVISO

Si prega di prendere atto che la procedura di overclocking implica dei rischi, come anche la regolazione delle impostazioni del BIOS, l'applicazione della tecnologia Untied Overclocking Technology, oppure l'uso di strumenti di overclocking forniti da terzi. L'overclocking può influenzare la stabilità del sistema, ed anche provocare danni ai componenti ed alle periferiche del sistema. La procedura è eseguita a proprio rischio ed a proprie spese. Noi non possiamo essere ritenuti responsabili per possibili danni provocati dall'overclocking.

ATTENZIONE!

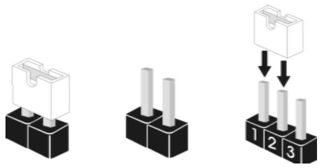
1. Questa scheda madre supporta la tecnologia overclocking "slegata". Per i dettagli leggere "Tecnologia di Untied Overclocking" a pagina 15.
2. Il modulo di memoria DDR3 1066 può essere installato solo in uno degli slot DDR3 DIMM. Se si installano due moduli di memoria DDR3 1066 su questa scheda madre, si eseguono su DDR3 800.
3. A causa delle limitazioni del chipset, le dimensioni effettive della memoria possono essere inferiori a 4GB per l'accantonamento riservato all'uso del sistema sotto Windows® OS.
4. La dimensione massima della memoria condivisa viene stabilita dal venditore del chipset ed e' soggetta a modificazioni. Prego fare riferimento al sito internet VIA® per le ultime informazioni.
5. Prima di installare il disco rigido SATAII con il connettore SATAII, leggere la "Guida per la configurazione del disco rigido SATAII" a pagina 18 del "Manuale utente" nel CD in dotazione in modo da poter predisporre il disco rigido SATAII per la modalità SATAII. È anche possibile connettere il disco rigido SATA direttamente al connettore SATAII.
6. Si tratta di uno strumento di sicronizzazione ASRock di face uso in grado di implementare il controllo del sistema tramite la funzione di hardware monitor e sincronizzare le Vostre unita' hardware per ottenere la migliore prestazione in Windows®. Prego visitare il nostro sito Internet per ulteriori dettagli circa l'uso del Sintonizzatore ASRock OC.
   ASRock website: http://www.asrock.com
7. ASRock Instant Flash è una utilità Flash BIOS integrata nella Flash ROM. Questo comodo strumento d'aggiornamento del BIOS permette di aggiornare il sistema BIOS senza accedere a sistemi operativi come MS-DOS or Windows®. Con questa utilità, si può premere il tasto <F6> durante il POST, oppure il tasto <F2> nel menu BIOS per accedere ad ASRock Instant Flash. Avviare questo strumento e salvare il nuovo file BIOS nell'unità Flash USB, dischetto (disco floppy) o disco rigido; poi si può aggiornare il BIOS con pochi clic, senza preparare altri dischetti (dischi floppy) o altre complicate utilità Flash. Si prega di notare che l'unità Flash USB o il disco rigido devono usare il File System FAT32/16/12.

8. Il nome stesso del software – OC DNA – dice di cosa è capace. OC DNA, una utilità esclusiva sviluppata da ASRock, fornisce un modo comodo per registrare le impostazioni OC e condividerle con gli altri. Aiuta a salvare le registrazioni di overclocking nel sistema operativo e semplifica la complicata procedura di registrazione delle impostazioni di overclocking. Con OC DNA, puoi salvare le impostazioni OC come un profilo da condividere con gli amici! I tuoi amici possono scaricare il profilo OC sul loro sistema operativo per ottenere le tue stesse impostazioni OC! Si prega di notare che il profilo OC può essere condiviso e modificato solo sulla stessa scheda madre.
9. Se vuoi un modo rapido e indipendente per caricare i dispositivi Apple, come iPhone/iPod/iPad Touch, ASRock ha preparato una soluzione meravigliosa: ASRock APP Charger. Basta installare il driver APP Charger per caricare l'iPhone più rapidamente rispetto al computer, con una velocità maggiore del 40%. ASRock APP Charger permette di caricare simultaneamente molti dispositivi Apple in modo rapido e supporta anche il caricamento continuato quando il PC accede alla modalità di Standby (S1), Sospensione su RAM (S3), Ibernazione (S4) o Spegnimento (S5). Una volta installato il driver APP Charger si otterranno prodigi e comodità mai avuti prima.
   Sito ASRock: http://www.asrock.com/Feature/AppCharger/index.asp
10. SmartView, una nuova funzione del browser Internet, è la pagina d'avvio intuitiva di IE che combina i siti visitati più spesso, la cronologia, gli amici di Facebook ed i Feed News in tempo reale in una veduta migliorata per un'esperienza più personale di Internet. Le schede madre ASRock hanno in dotazione esclusiva l'utilità SmartView che aiuta a stare in contatto con gli amici mentre si è in movimento. Per usare la funzione SmartView, assicurarsi che la versione del sistema operativo sia Windows® 7 / Vista™ e che la versione del browser sia IE8.
    Sito ASRock: http://www.asrock.com/Feature/SmartView/index.asp
11. ASRock XFast USB può accelerare le prestazioni del dispositivo d'archiviazione USB. Le prestazioni dipendono dalle proprietà del dispositivo.
12. ASRock XFast LAN offre un accesso a Internet piu veloce, che compren-de i seguenti benefi ci. Priorita alle applicazioni LAN: e possibile confi gu-rare la priorita assegnata alle applicazioni in modo ideale e/o aggiungere nuovi programmi. Minore latenza nei giochi: dopo avere impostato la priorita dei giochi su un livello piu alto, la latenza dei giochi puo essere minore. Confi gurazione del traffi co: e possibile seguire video HD su Youtube e scaricare fi le contemporaneamente. Analisi in tempo reale dei dati: grazie alla fi nestra di stato, e possibile riconoscere con facilita quali dati si stanno trasferendo in streaming.

13. Anche se questa motherboard offre il controllo stepless, non si consiglia di effettuare l’overclocking. Frequenze del bus del processore diverse da quelle raccomandate possono causare instabilità al sistema o danni al processore e alla scheda madre.
14. Se il processore si surriscalda, il sistema si chiude automaticamente. Prima di riavviare il sistema, assicurarsi che la ventolina CPU della scheda madre funzioni correttamente; scollegare e ricollegare il cavo d’alimentazione. Per migliorare la dissipazione del calore, ricordare di applicare l’apposita pasta siliconica tra il processore e il dissipatore quando si installa il sistema.
15. EuP, che sta per Energy Using Product (Prodotto che consuma energia) , era una normativa emanata dall’Unione Europea che definiva il consumo energetico del sistema completo. In base all’EuP, l’alimentazione totale del sistema completo deve essere inferiore a 1,00 W quando è spento. Per soddisfare la norma EuP sono necessari un alimentatore e una scheda elettrica predisposti EuP. In base ai suggerimenti Intel l’alimentatore predisposto EuP deve soddisfare lo standard secondo cui l’efficienza energetica in standby di 5 v è più alta del 50% con un consumo di corrente di 100 mA. Per la scelta di un’alimentatore predisposto EuP consigliamo di verificare ulteriori dettagli con il produttore.

1.3 Setup dei Jumpers

L'illustrazione mostra come sono settati i jumper. Quando il ponticello è posizionato sui pin, il jumper è "CORTOCIRCUITATO". Se sui pin non ci sono ponticelli, il jumper è "APERTO". L'illustrazione mostra un jumper a 3 pin in cui il pin1 e il pin2 sono "CORTOCIRCUITATI" quando il ponticello è posizionato su questi pin.



CORTOCIRCUITATO APERTO

Jumper	Settaggio del Jumper	
PS2_USB_PWR1 (vedi p.2 item 1)		Cortocircuitare pin2, pin3 per settare a +5VSB (standby) e abilitare PS/2 o USB23 wake up events.

Nota: Per selezionare +5VSB, si richiedono almeno 2 Ampere e il consumo di corrente in standby sarà maggiore.

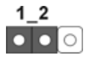
USB_PWR2 (vedi p.2 item 19)		Cortocircuitare pin2, pin3 per settare a +5V_DUAL e abilitare USB01 wake up events.

Nota: Per selezionare +5V_DUAL, si richiedono almeno 2 Ampere e il consumo di corrente in standby sarà maggiore. Quando si seleziona +5V_DUAL, i dispositivi USB possono riattivare il sistema dallo stato S3 (Suspend to RAM).

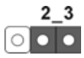
USB_PWR3 (vedi p.2 item 11)		Cortocircuitare pin2, pin3 per settare a +5VSB (standby) e abilitare USB4_5/6_7 wake up events.

Nota: Per selezionare +5VSB, si richiedono almeno 2 Ampere e il consumo di corrente in standby sarà maggiore.

Resettare la CMOS
(CLRCMOS1)
(vedi p.2 item 18)



Impostazione predefinita



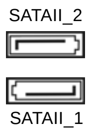
Azzeramento CMOS

Nota: CLRCMOS1 permette di cancellare i dati presenti nel CMOS. I dati del CMOS comprendono le informazioni di configurazione quali la password di sistema, data, ora, e i parametri di configurazione del sistema. Per cancellare e ripristinare i parametri del sistema, spegnere il computer e togliere il cavo di alimentazione dalla presa di corrente. Dopo aver lasciato trascorrere 15 secondi, utilizzare un cappuccio jumper per cortocircuitare i pin 2 e 3 su CLRCMOS1 per 5 secondi. Dopo aver cortocircuitato il jumper Clear CMOS jumper, togliere il terminatore jumper. Non cancellare la CMOS subito dopo aver aggiornato il BIOS. Se è necessario cancellare la CMOS una volta completato l'aggiornamento del BIOS, è necessario riavviare prima il sistema, e poi spegnerlo prima di procedere alla cancellazione della CMOS.

1.4 Collettori e Connettori su Scheda

I collettori ed i connettori su scheda NON sono dei jumper. NON installare cappucci per jumper su questi collettori e connettori. L'installazione di cappucci per jumper su questi collettori e connettori provocherà danni permanenti alla scheda madre!

Connettori Serial ATAII
(SATAII_1: vedi p.2 Nr. 14)
(SATAII_2: vedi p.2 Nr. 16)



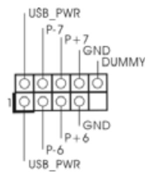
Questi due connettori Serial ATA (SATAII) supportano le periferiche di archiviazione HD SATA o SATAII per le funzioni di archiviazione interna. ATAII (SATAII) supportano cavi SATAII per dispositivi di memoria interni. L'interfaccia SATAII attuale permette velocità di trasferimento dati fino a 3.0 Gb/s.

Cavi dati Serial ATA (SATA)
(Opzionale)

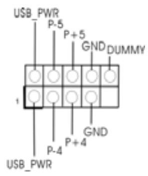


Entrambe le estremità del cavo dati SATA possono collegarsi all'hard disk SATA / SATAII o al connettore SATAII sulla scheda madre.

Collettore USB 2.0
(9-pin USB6_7)
(vedi p.2 No. 13)



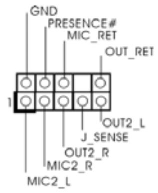
(9-pin USB4_5)
(vedi p.2 No. 17)



Oltre alle quattro porte USB 2.0 predefinite nel pannello I/O, la scheda madre dispone di due intestazioni USB 2.0. Ciascuna intestazione USB 2.0 supporta due porte USB 2.0.

Italiano

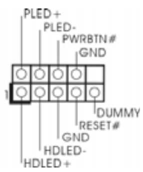
Connettore audio sul pannello frontale
(9-pin HD_AUDIO1)
(vedi p.2 Nr. 15)



È un'interfaccia per il cavo del pannello audio. Che consente connessione facile e controllo dei dispositivi audio.

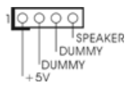
1. La caratteristica HDA (High Definition Audio) supporta il rilevamento dei connettori, però il pannello dei cavi sul telaio deve supportare la funzione HDA (High Definition Audio) per far sì che questa operi in modo corretto. Attenersi alle istruzioni del nostro manuale e del manuale del telaio per installare il sistema.
2. Se si utilizza un pannello audio AC'97, installarlo nell'intestazione audio del pannello anteriore, come indicato di seguito:
   A. Collegare Mic_IN (MIC) a MIC2_L.
   B. Collegare Audio_R (RIN) a OUT2_R e Audio_L (LIN) ad OUT2_L.
   C. Collegare Ground (GND) a Ground (GND).
   D. MIC_RET e OUT_RET sono solo per il pannello audio HD. Non è necessario collegarli per il pannello audio AC'97.

Collettore pannello di sistema
(9-pin PANEL1)
(vedi p.2 Nr. 8)



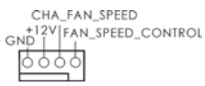
Questo collettore accomoda diverse funzioni di sistema pannello frontale.

Collettore casse telaio
(4-pin SPEAKER1)
(vedi p.2 Nr. 9)



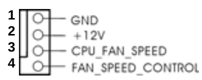
Collegare le casse del telaio a questo collettore.

Connettore ventolina telaio
(4-pin CHA_FAN1)
(vedi p.2 Nr. 2)



Collegare il cavo della ventolina telaio a questo connettore e far combaciare il filo nero al pin terra.

Connettore ventolina CPU
(4-pin CPU_FAN1)
(vedi p.2 Nr. 20)



Collegare il cavo della ventolina CPU a questo connettore e far combaciare il filo nero al pin terra.

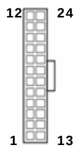
Sebbene la presente scheda madre disponga di un supporto per ventola CPU a 4 piedini (ventola silenziosa), la ventola CPU a 3 piedini è in grado di funzionare anche senza la funzione di controllo della velocità della ventola. Se si intende collegare la ventola CPU a 3 piedini al connettore della ventola CPU su questa scheda madre, collegarla ai piedini 1-3.

Piedini 1-3 collegati

Installazione della ventola a 3 piedini

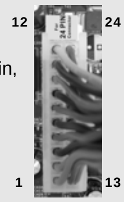


Connettore alimentazione ATX
(24-pin ATXPWR1)
(vedi p.2 Nr. 7)



Collegare la sorgente d'alimentazione ATX a questo connettore.

Con questa scheda madre, c'è in dotazione un connettore elettrico ATX a 24 pin, ma può funzionare lo stesso se si adotta un alimentatore ATX a 20 pin. Per usare l'alimentatore ATX a 20 pin, collegare l'alimentatore con il Pin 1 e il Pin 13.



Installazione dell'alimentatore ATX a 20 pin

2. Informazioni sul BIOS

La Flash Memory sulla scheda madre contiene le Setup Utility. Quando si avvia il computer, premi <F2> durante il Power-On-Self-Test (POST) della Setup utility del BIOS; altrimenti, POST continua con i suoi test di routine. Per entrare il BIOS Setup dopo il POST, riavvia il sistema premendo <Ctl> + <Alt> + <Delete>, o premi il tasto di reset sullo chassis del sistema. Per informazioni più dettagliate circa il Setup del BIOS, fare riferimento al Manuale dell'Utente (PDF file) contenuto nel cd di supporto.

3. Software di supporto e informazioni su CD

Questa scheda madre supporta vari sistemi operativi Microsoft® Windows®: 7 / Vista™ / XP. Il CD di supporto a corredo della scheda madre contiene i driver e utilità necessari a potenziare le caratteristiche della scheda. Inserire il CD di supporto nel lettore CD-ROM. Se la funzione "AUTORUN" è attivata nel computer, apparirà automaticamente il Menù principale. Se il Menù principale non appare automaticamente, posizionarsi sul file "ASSETUP.EXE" nel CESTINO del CD di supporto e cliccare due volte per visualizzare i menù.

Italiano

1. Introducción

Gracias por su compra de ASRock ***PV530A-ITX*** placa madre, una placa de confianza producida bajo el control de calidad estricto y persistente. La placa madre provee realización excelente con un diseño robusto conforme al compromiso de calidad y resistencia de ASRock.
Esta Guía rápida de instalación contiene una introducción a la placa base y una guía de instalación paso a paso. Puede encontrar una información más detallada sobre la placa base en el manual de usuario incluido en el CD de soporte.

> Porque las especificaciones de la placa madre y el software de BIOS podrían ser actualizados, el contenido de este manual puede ser cambiado sin aviso. En caso de cualquier modificación de este manual, la versión actualizada estará disponible en el website de ASRock sin previo aviso. También encontrará las listas de las últimas tarjetas VGA y CPU soportadas en la página web de ASRock.
> Website de ASRock http://www.asrock.com
> Si necesita asistencia técnica en relación con esta placa base, visite nuestra página web con el número de modelo específico de su placa.
> www.asrock.com/support/index.asp

1.1 Contenido de la caja

Placa base ASRock ***PV530A-ITX***
(Factor forma Mini-ITX: 17,0 cm x 17,0 cm, 6,7” x 6,7”)
Guía de instalación rápida de ASRock ***PV530A-ITX***
CD de soporte de ASRock ***PV530A-ITX***
Dos Cable de Datos Serial ATA (SATA) (Opcional)
Una protección I/O

1.2 Especificación

Plataforma	- Factor forma Mini-ITX: 17,0 cm x 17,0 cm, 6,7" x 6,7" - Condensador sólido para alimentación de CPU
Procesador	- Procesador VIA® PV530 (1.8 GHz) - FSB800 MHz - Admite tecnología de aumento de velocidad liberada (vea **ATENCIÓN 1**)
Chipset	- VIA® VX900 A3
Memoria	- 2 x DDR3 DIMM slots - Soporta DDR3 1066/800 non-ECC, memoria de un-buffered (vea **ATENCIÓN 2**) - Máxima capacidad de la memoria del sistema: 4GB (vea **ATENCIÓN 3**)
Ranuras de Expansión	- 1 x ranuras PCI
VGA OnBoard	- Tarjeta gráfica integrada VIA® Chrome9 HD DX9 - Sombreador de Píxeles 2.0, VGA DX9.0 - 512MB de Memoria máxima compartida (vea **ATENCIÓN 4**) - Admite D-Sub con una resolución máxima de 2048x1536 a 75 Hz
Audio	- Sonido HD de 5.1 Canales (Códec de sonido VIA® VT1705)
LAN	- Realtek PCIE x1 LAN 8105E - Velocidad: 10/100 Ethernet - Soporta Wake-On-LAN - Soporta PXE
Entrada/Salida de Panel Trasero	I/O Panel - 1 x puerto de ratón PS/2 - 1 x puerto de teclado PS/2 - 1 x Puerto paralelo: soporta ECP/EPP - 1 x puerto serial: COM1 - 1 x Puerto VGA - 4 x puertos USB 2.0 predeterminados - 1 x Puerto LAN RJ-45 con LED (LED de ACCIÓN/ENLACE y LED de VELOCIDAD) - Audio Jack: Line In / Line Out / Micrófono
Conectores	- 2 x conexiones SATA2, admiten una velocidad de transferencia de datos de hasta 3,0Gb/s (vea **ATENCIÓN 5**) - Conector de ventilador de CPU / chasis - 24-pin cabezal de alimentación ATX - Conector de audio de panel frontal

	- 2 x Conector USB 2.0 (compatible con 4 puertos USB 2.0)
BIOS	- 4Mb AMI BIOS - AMI legal BIOS - Soporta "Plug and Play" - ACPI 1.1 compliance wake up events - Soporta "jumper free setup" - Soporta SMBIOS 2.3.1
CD de soport	- Controladores, Utilerías, Software de Anti Virus (Versión de prueba), Prueba de CyberLink MediaEspresso 6.5, conjunto de aplicaciones ASRock (CyberLink DVD Suite - OEM y versión de prueba; Creative Sound Blaster X-Fi MB - versión de prueba; Conjunto multimedia ASRock MAGIX - OEM)
Característica Única	- Sintonizador de ASRock OC (vea **ATENCIÓN 6**) - ASRock Instant Boot - ASRock Instant Flash (vea **ATENCIÓN 7**) - ASRock OC DNA (vea **ATENCIÓN 8**) - ASRock APP Charger (vea **ATENCIÓN 9**) - ASRock SmartView (vea **ATENCIÓN 10**) - ASRock XFast USB (vea **ATENCIÓN 11**) - ASRock XFast LAN (vea **ATENCIÓN 12**) - Amplificador Híbrido: - Stepless control de frecuencia de CPU (vea **ATENCIÓN 13**) - ASRock U-COP (vea **ATENCIÓN 14**) - Protección de Falla de Inicio (B.F.G..)
Monitor Hardware	- Sensibilidad a la temperatura del procesador - Sensibilidad a la temperatura de la placa madre - Taquímetros de los ventiladores del procesador y del procesador - Taquímetros de los ventiladores del procesador y del chasis - Ventilador silencioso para procesador - Control de ajuste de la velocidad del ventilador de la CPU/ chasis - Monitor de Voltaje: +12V, +5V, +3.3V, Vcore
OS	- En conformidad con Microsoft® Windows® 7 / Vista™ / XP
Certificaciones	- FCC, CE, WHQL - Cumple con la directiva ErP/EuP (se requiere una fuente de alimentación que cumpla con la directiva ErP/EuP) (vea **ATENCIÓN 15**)

* Para más información sobre los productos, por favor visite nuestro sitio web: http://www.asrock.com

Español

ADVERTENCIA

Tenga en cuenta que hay un cierto riesgo implícito en las operaciones de aumento de la velocidad del reloj, incluido el ajuste del BIOS, aplicando la tecnología de aumento de velocidad liberada o utilizando las herramientas de aumento de velocidad de otros fabricantes. El aumento de la velocidad puede afectar a la estabilidad del sistema e, incluso, dañar los componentes y dispositivos del sistema. Esta operación se debe realizar bajo su propia responsabilidad y Ud. debe asumir los costos. No asumimos ninguna responsabilidad por los posibles daños causados por el aumento de la velocidad del reloj.

ATENCIÓN !

1. Esta placa base admite la tecnología de aumento de velocidad liberada. Por favor lea "Tecnología de Forzado de Reloj (Overclocking) no relacionado" en la página 15 para obtener detalles.
2. Sólo se admite la instalación de un módulo de memoria DDR3 1066 en una de las ranuras DIMM DDR3. La instalación de dos módulos de memoria DDR3 1066 en esta placa base provocará que ambos funcionen como módulos de memoria DDR3 800.
3. Debido a las limitaciones del conjunto de chips, el tamaño de memoria real debe ser inferior a 4GB para utilizar Windows® OS.
4. El tamaño de la memoria compartido máximo es definido por el vendedor del chipset y está conforme al cambio. Por favor compruebe el Web site de VIA® para la información más última.
5. Antes de instalar un disco duro SATAII en el conector SATAII, consulte la sección "Guía de instalación de discos duros SATAII" en la página 18 del "Manual de usuario" que se incluye en el CD de soporte para configurar su disco duro SATAII en modo SATAII. También puede conectar un disco duro SATA directamente al conector SATAII.
6. Es una herramienta de overclocking de ASRock de usuario-fácil que le permite a supervisar su sistema por la función de monitor de hardware y overclock sus dispositivos de hardware para obtener el mejor funcionamiento del sistema bajo el entorno de Windows®. Por favor visite nuestro sitio web para los procedimientos de operación de Sintonizador de ASRock OC.
   Sitio web de ASRock: http://www.asrock.com
7. ASRock Instant Flash es una utilidad de programación del BIOS que se encuentra almacenada en la memoria Flash ROM. Esta sencilla herramienta de actualización de BIOS le permitirá actualizar el BIOS del sistema sin necesidad de acceder a ningún sistema operativo, como MS-DOS o Windows®. Gracias a esta utilidad, sólo necesitará pulsar <F6> durante la fase POST o pulsar <F2> para acceder al menú de configuración del BIOS y a la utilidad ASRock Instant Flash. Ejecute esta herramienta y guarde el archivo correspondiente al sistema BIOS nuevo en su unidad flash USB, unidad de disco flexible o disco duro para poder actualizar el BIOS con sólo pulsar un par de botones, sin necesidad de preparar un disco flexible

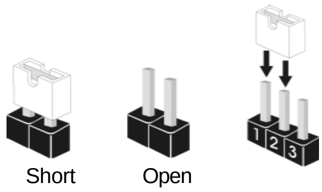
adicional ni utilizar complicadas utilidades de programación. Recuerde que la unidad flash USB o disco duro utilizado debe disponer del sistema de archivos FAT32/16/12.

8. El nombre del propio software, OC DNA, indica con claridad aquello de lo que es capaz. OC DNA, una exclusiva utilidad desarrollada por ASRock, representa para el usuario una forma cómoda de grabar su configuración de OC y compartirla con otras personas. Esta utilidad le permitirá guardar sus registros de aceleración en el sistema operativo y simplificar el complicado proceso de grabación de la configuración de aceleración. ¡Gracias a OC DNA podrá guardar su configuración de OC como perfil y compartirlo con sus amigos! ¡Sus amigos podrán cargar entonces el perfil de OC en su propio sistema y disfrutar de la configuración de OC creada por usted! Recuerde que el perfil de OC creado sólo funcionará en placas base similares, por lo que sólo podrá compartirlo con usuarios que cuenten con la misma placa base que usted.
9. Si desea una forma más rápida y menos limitada de cargar sus dispositivos de Apple; como por ejemplo iPhone, iPod o iPad Touch, ASRock ha creado una fantástica solución para usted: ASRock APP Charger. Simplemente mediante la instalación del controlador de APP Charger, podrá cargar su iPhone de forma mucho más rápida que antes, hasta un 40%, desde su equipo. ASRock APP Charger le permite cargar de forma rápida muchos dispositivos de Apple simultáneamente e incluso podrá continuar la carga cuando su PC entre en modo de espera (S1), suspendido en RAM (S3), modo de hibernación (S4) o se apague (S5). Una vez instalado el controlador de APP Charger, podrá disfrutar fácilmente de una fantástica carga sin precedentes.
   Sitio web de ASRock: http://www.asrock.com/Feature/AppCharger/index.asp
10. SmartView, una nueva función el explorador de Internet, es la página de inicio inteligente para IE que combina los sitios Web más visitados, su historial, sus amigos de Facebook y su fuente de noticias en una vista mejorada para disfrutar de una experiencia en Internet más personal. Las placas base ASRock están exclusivamente equipadas con la utilidad SmartView que le ayuda a seguir en contacto con sus amigos sobre la marcha. Para utilizar la función SmartView asegúrese de que la versión de su sistema operativo es Windows® 7 / Vista™ y que la versión de su explorador es IE8. Sitio Web de ASRock: http://www.asrock.com/Feature/SmartView/index.asp
11. ASRock XFast USB puede aumentar el rendimiento de los dispositivos de almacenamiento USB. El rendimiento depende de las propiedades del dispositivo.

12. ASRock XFast LAN proporciona un acceso a Internet mas rapido, que incluye las ventajas que se indican a continuacion. Priorizacion de aplicaciones LAN: Puede confi gurar la prioridad de las aplicaciones de forma ideal y/o agregar nuevos programas. Menor latencia en los juegos: Despues de aumentar la prioridad de los juegos en linea, se puede reducir la latencia en los mismos. Gestionar el trafi co: Puede ver video en alta defi nicion de Youtube y descargar archivos simultaneamente. Analisis de sus datos en tiempo real: Con la ventana de estado, puede reconocer facilmente que transmisiones en secuencias se estan trans-fi riendo actualmente.
13. Aunque esta placa base ofrece un control complete, no es recomendable forzar la velocidad. Las frecuencias de bus de la CPU distintas a las recomendadas pueden causar inestabilidad en el sistema o dañar la CPU.
14. Cuando la temperatura de CPU está sobre-elevada, el sistema va a apagarse automaticamente. Antes de reanudar el sistema, compruebe si el ventilador de la CPU de la placa base funciona apropiadamente y desconecte el cable de alimentación, a continuación, vuelva a conectarlo. Para mejorar la disipación de calor, acuérdese de aplicar thermal grease entre el procesador y el disipador de calor cuando usted instala el sistema de PC.
15. EuP, siglas de Energy Using Product (Producto que Utiliza Energía), es una disposición regulada por la Unión Europea para establecer el consumo total de energía de un sistema. Según la disposición EuP, la alimentación de CA total para el sistema completo ha de ser inferior a 1,00W en modo apagado. Para cumplir con el estándar EuP, se requieren una placa base y una fuente de alimentación que cumplan con la directiva EuP. Según las directrices de Intel, una fuente de alimentación que cumpla con la directiva EuP debe satisfacer el estándar, es decir, la eficiencia de energía de 5v en modo de espera debería ser mayor del 50% con un consumo de corriente de 100mA. Para seleccionar una fuente de alimentación que cumpla la directiva EuP, le recomendamos que consulte con el fabricante de la fuente de alimentación para obtener más detalles.

1.3 Setup de Jumpers

La ilustración muestra como los jumpers son configurados. Cuando haya un jumper-cap sobre los pins, se dice gue el jumper está "Short". No habiendo jumper cap sobre los pins, el jumper está "Open". La ilustración muesta un jumper de 3 pins cuyo pin 1 y pin 2 están "Short".



Jumper **Setting**

PS2_USB_PWR1
(vea p.2, No. 1)



Ponga en cortocircuito pin 2, pin 3 para habilitar +5VSB (standby) para PS/2 o USB23 wake up events.

Atención: Para elegir +5VSB, se necesita corriente mas que 2 Amp proveida por la fuente de electricidad.

USB_PWR2
(vea p.2, No. 19)



Ponga en cortocircuito pin 2, pin 3 para habilitar +5V_DUAL para USB01 wake up events.

Atención: Para elegir +5V_DUAL, se necesita corriente mas que 2 Amp proveida por la fuente de electricidad. Si selecciona +5V_DUAL, los dispositivos USB podran reactivar el sistema siempre que se encuentre en el estado S3 (Suspension a RAM).

USB_PWR3
(vea p.2, No. 11)



Ponga en cortocircuito pin 2, pin 3 para habilitar +5VSB (standby) para USB4_5/6_7 wake up events.

Atención: Para elegir +5VSB, se necesita corriente mas que 2 Amp proveida por la fuente de electricidad.

Limpiar CMOS
(CLRCMOS1, jumper de 3 pins)
(ver p.2, No. 18)



Valor predeterminado

Restablecimiento de la CMOS

Atención: CLRCMOS1 permite que Usted limpie los datos en CMOS. Los datos en CMOS incluyen informaciones de la configuración del sistema, tales como la contraseña del sistema, fecha, tiempo, y parámetros de la configuración del sistema. Para limpiar y reconfigurar los parametros del sistema a la configuración de la fábrica, por favor apague el computador y desconecte el cable de la fuente de electricidad, utilice una cubierta de jumper para aislar las agujas pin2 y pin3 en CLRCMOS1 durante 5 segundos. Por favor acuérdase de quitar el jumper cap después de limpiar el COMS. Por

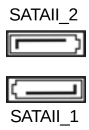
Español

favor acuérdase de quitar el jumper cap después de limpiar el COMS. Si necesita borrar la CMOS cuando acabe de finalizar la actualización de la BIOS, debe arrancar primero el sistema y, a continuación, apagarlo antes de realizar la acción de borrado de CMOS.

1.4 Cabezales y Conectores en Placas

Los conectores y cabezales en placa NO son puentes. NO coloque las cubiertas de los puentes sobre estos cabezales y conectores. El colocar cubiertas de puentes sobre los conectores y cabezales provocará un daño permanente en la placa base.

Conexiones de serie ATAII
(SATAII_1: vea p.2, N. 14)
(SATAII_2: vea p.2, N. 16)



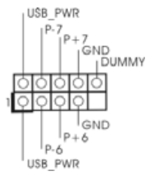
Estos dos conectores de la Serie ATA (SATAII) soportan HDDs SATA o SATAII para dispositivos de almacenamiento interno. La interfaz SATAII actual permite una velocidad de transferencia de 3.0 Gb/s.

Cable de datos de serie ATA (SATA)
(Opcional)

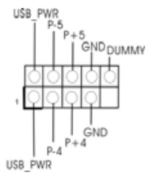


Ambos extremos del cable pueden conectarse al disco duro SATA / SATAII o la conexión de la placa base.

Cabezal USB 2.0
(9-pin USB6_7)
(ver p.2, No. 13)

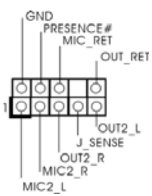


(9-pin USB4_5)
(ver p.2, No. 17)



Además de cuatro puertos USB 2.0 predeterminados en el panel de E/S, hay dos bases de conexiones USB 2.0 en esta placa base. Cada una de estas bases de conexiones admite dos puertos USB 2.0.

Conector de audio de panel frontal
(9-pin HD_AUDIO1)
(vea p.2, N. 15)

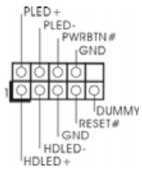


Este es una interface para cable de audio de panel frontal que permite conexión y control conveniente de apparatos de Audio.

Español

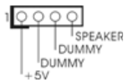
1. El Audio de Alta Definición soporta la detección de conector, pero el cable de panel en el chasis debe soportar HDA para operar correctamente. Por favor, siga las instrucciones en nuestro manual y en el manual de chasis para instalar su sistema.
2. Si utiliza el panel de sonido AC’97, instálelo en la cabecera de sonido del panel frontal de la siguiente manera:
   A. Conecte Mic_IN (MIC) a MIC2_L.
   B. Conecte Audio_R (RIN) a OUT2_R y Audio_L (LIN) en OUT2_L.
   C. Conecte Ground (GND) a Ground (GND).
   D. MIC_RET y OUT_RET son sólo para el panel de sonido HD. No necesitará conectarlos al panel de sonido AC’97.

Cabezal de panel de sistema
(9-pin PANEL1)
(vea p.2, N. 8)



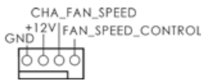
Este cabezar acomoda varias dunciones de panel frontal de sistema.

Cabezal del altavoz del chasis
(4-pin SPEAKER1)
(vea p.2, N. 9)



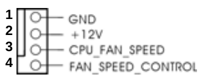
Conecte el altavoz del chasis a su cabezal.

Conector del ventilador del chasis
(4-pin CHA_FAN1)
(vea p.2, N. 2)



Conecte el cable del ventilador del chasis a este conector y haga coincidir el cable negro con el conector de tierra.

Conector del ventilador de la CPU
(4-pin CPU_FAN1)
(vea p.2, N. 20)

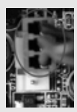


Conecte el cable del ventilador de la CPU a este conector y haga coincidir el cable negro con el conector de tierra.

Aunque esta placa base proporciona compatibilidad para un ventilador (silencioso) de procesador de 4 contactos, el ventilador de procesador de 3 contactos seguirá funcionando correctamente incluso sin la función de control de velocidad del ventilador. Si pretende enchufar el ventilador de procesador de 3 contactos en el conector del ventilador de procesador de esta placa base, conéctelo al contacto 1-3.

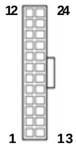
Contacto 1-3 conectado

Instalación del ventilador de 3 contactos



Español

Cabezal de alimentación ATX
(24-pin ATXPWR1)
(vea p.2, N. 7)



Conecte la fuente de alimentación ATX a su cabezal.

A pesar de que esta placa base incluye in conector de alimentación ATX de 24 pins, ésta puede funcionar incluso si utiliza una fuente de alimentación ATX de 20 pins tradicional. Para usar una fuente de alimentación ATX de 20 pins, por favor, conecte su fuente de alimentación usando los Pins 1 y 13.

Instalación de una Fuente de Alimentación ATX de 20 Pins



2. BIOS Información

La utilidad de configuración de la BIOS se almacena en el chip BIOS FWH. Cuando se arranca el equipo, pulse <F2> durante la prueba automática de encendido (POST) para entrar en la Utilidad de la configuración de la BIOS, de lo contrario, POST continúa con sus rutinas de prueba. Si desea entrar en la Utilidad de configuración de la BIOS después de POST, reanude el sistema pulsando <Ctl>+<Alt>+<Supr> o pulsando el botón de restauración situado en el chasis del sistema. Para obtener información detalladas sobre la Utilidad de configuración de la BIOS, consulte el Manual del usuario (archivo PDF), que se encuentra en el CD de soporte.

3.Información de Software Support CD

Esta placa-base soporta diversos tipos de sistema operativo Windows®: 7 / Vista™ / XP El CD de instalación que acompaña la placa-base trae todos los drivers y programas utilitarios para instalar y configurar la placa-base.
Para iniciar la instalación, ponga el CD en el lector de CD y se desplegará el Menú Principal automáticamente si «AUTORUN» está habilitado en su computadora. Si el Menú Principal no aparece automáticamente, localice y doble-pulse en el archivo “ASSETUP.EXE” para iniciar la instalación.

1. Введение

Благодарим вас за покупку материнской платы ASRock ***PV530A-ITX*** надежной материнской платы, изготовленной в соответствии с постоянно предъявляемыми ASRock жесткими требованиями к качеству. Она обеспечивает превосходную производительность и отличается отличной конструкцией, которые отражают приверженность ASRock качеству и долговечности.

Данное руководство по быстрой установке включает вводную информацию о материнской плате и пошаговые инструкции по ее установке. Более подробные сведения о плате можно найти в руководстве пользователя на компакт-диске поддержки.

> Спецификации материнской платы и программное обеспечение BIOS иногда изменяются, поэтому содержание этого руководства может обновляться без уведомления. В случае любых модификаций руководства его новая версия будет размещена на веб-сайте ASRock без специального уведомления. Кроме того, самые свежие списки поддерживаемых модулей памяти и процессоров можно найти на сайте ASRock.
> Адрес веб-сайта ASRock http://www.asrock.com
> При необходимости технической поддержки по вопросам данной материнской платы посетите наш веб-сайт для получения информации об используемой модели.
> www.asrock.com/support/index.asp

1.1 Комплектность

Материнская плата ASRock ***PV530A-ITX***
(форм-фактор Mini-ITX: 6,7 x 6,7 дюйма / 17,0 x 17,0 см)
Руководство по быстрой установке ASRock ***PV530A-ITX***
Компакт-диск поддержки ASRock ***PV530A-ITX***
2 x кабель данных Serial ATA (SATA) (дополнительно)
1 x щиток ввода-вывода I/O

1.2 Спецификации

Платформа	- форм-фактор Mini-ITX: 6,7 x 6,7 дюйма / 17,0 x 17,0 см - Твердотельный конденсатор в цепи питания процессора
Процессор	- Процессор VIA® PV530 (1.8 GHz) - FSB800 MHz - Поддержка технологии Untied Overclocking (см. **ОСТОРОЖНО, пункт 1**)
Набор микросхем	- VIA® VX900 A3
Память	- 2 x гнезда DDR3 DIMM - Поддержите DDR3 1066/800 не- ECC, безбуферная память (см. **ОСТОРОЖНО, пункт 2**) - Максимальный объем системной памяти: 4 ГБ (см. **ОСТОРОЖНО, пункт 3**)
Гнезда расширения	- 1 x гнезда PCI
Графика	- Встроенный графический адаптер VIA® Chrome9 HD DX9 - Pixel Shader 2.0, Поддержка DirectX 9.0 - Макс. объем разделяемой памяти 512Мб (см. **ОСТОРОЖНО, пункт 4**) - Поддержка D-Sub с максимальным разрешением до 2048x1536 @ 75 Гц
Аудиосистема	- 5.1-канальный звук HD Audio уровня (аудиокодек VIA® VT1705)
ЛВС	- Realtek PCIE x1 LAN 8105E - Скорость 10/100 Mb/s - поддержка Wake-On-LAN - поддержка PXE
Разъемы ввода-вывода на задней панели	I/O Panel - 1 x порт мыши PS/2 - 1 x порт клавиатуры PS/2 - 1 x параллельный порт: поддержка ECP/EPP - 1 x порт COM1 - 1 x VGA порт - 4 x порта USB 2.0 на задней панели в стандартной конфигурации - Разъем 1 x RJ-45 LAN с светодиодным индикатором (индикатор ACT/LINK и индикатор SPEED) - Аудиоразъемы: линейный вход / линейный выход / микрофон

Русский

Колодки и плате	- 2 x разъема SATA2 3,0 Гбит/с (см. **ОСТОРОЖНО, пункт 5**) - соединитель: CPU/Chassis FAN - 24-контактный Колодка питания ATX - Аудиоразъем передней панели - 2 x Колодка USB 2.0 (поддержка 4 портов USB 2.0)
BIOS	- 4Mb AMI BIOS - Лицензированная AMI BIOS - поддержка "Plug and Play" - ACPI 1.1, включение по событиям - поддержка режима настройки без перемычек - поддержка SMBIOS 2.3.1
Компакт-диск поддержки	- Драйверы, утилиты, антивирусное программное обеспечение (Пробный Вариант), CyberLink MediaEspresso 6.5 пробные версии; пакет ASRock Software Suite (CyberLink DVD Suite - OEM и пробные версии; Creative Sound Blaster X-Fi MB - пробные версии; ASRock MAGIX Multimedia Suite - OEM)
Уникальная Особенность	- ASRock OC Tuner (см. **ОСТОРОЖНО, пункт 6**) - ASRock Instant Boot - ASRock Instant Flash (см. **ОСТОРОЖНО, пункт 7**) - ASRock OC DNA (см. **ОСТОРОЖНО, пункт 8**) - ASRock APP Charger (см. **ОСТОРОЖНО, пункт 9**) - ASRock SmartView (см. **ОСТОРОЖНО, пункт 10**) - ASRock XFast USB (см. **ОСТОРОЖНО, пункт 11**) - ASRock XFast LAN (см. **ОСТОРОЖНО, пункт 12**) - Hybrid Booster: - плавная настройка частоты процессора (см. **ОСТОРОЖНО, пункт 13**) - ASRock U-COP (см. **ОСТОРОЖНО, пункт 14**) - Защита от сбоев загрузки Boot Failure Guard (B.F.G)
Контроль оборудо-вания	- Датчики температуры процессора - Датчики температуры корпуса - Отключение при перегреве процессора для его защиты - Тахометры вентиляторов процессора, корпуса - Тихий режим вентилятора процессора - Мультиконтроль скорости вентилятора ЦП/Шасси - Контроль= напряжения: +12V, +5V, +3.3V, Vcore
Операционные системы	- Совместимость с Microsoft® Windows® 7 / Vista™ / XP
Сертифика-ты	- FCC, CE, WHQL - Совместимость с ErP/EuP Ready (требуется блок питания совместимый с ErP/EuP) (см. **ОСТОРОЖНО, пункт 15**)

* Для детальной информации продукта, пожалуйста посетите наш вебсайт: http://www.asrock.com

Русский

ВНИМАНИЕ

Следует понимать, что с оверклокингом связан определенный риск во всех случаях, включая изменение установок BIOS, применение технологии Untied Overclocking или использование инструментов оверклокинга сторонних производителей. Оверклокинг может повлиять на стабильность работы системы и даже вызвать повреждение входящих в нее компонентов и устройств. Приступая к оверклокингу, вы полностью берете на себя все связанные с ним риски и расходы. Мы не будем нести ответственность за любые возможные повреждения в результате оверклокинга.

ОСТОРОЖНО!

1. Данная системная плата поддерживает технологию раздельного разгона (повышения частоты системной шины). Подробные сведения см. в разделе «Технология раздельного разгона» на стр. 15.
2. Модуль памяти DDR3 1066 можно устанавливать только в одно из гнезд DDR3 DIMM. При установке на эту системную плату двух модулей памяти DDR3 1066 они будут работать со скоростью модулей DDR3 800.
3. Из-за ограничений набора микросхем фактический объем памяти может оказаться меньше 4 Гб, поскольку часть ее резервируется для использования системой под Windows® OS.
4. Максимальная совместная емкость памяти определена продавцем микропроцессорного набора и может измениться. Входите в VIA® веб-сайт за последние информации, пожалуйста.
5. Перед подключением жесткого диска SATAII к разъему SATAII следует ознакомиться с "Руководством по установке жестких дисков SATAII" на стр. 18 Руководства пользователя на компакт-диске поддержки и переключить жесткий диск в режим SATAII. Помимо этого, к разъему SATAII можно непосредственно подключить жесткий диск SATA.
6. Это - легкий в использовании ASRock разгон инструмент, который позволяет, что Вы, чтобы рассмотреть вашу систему монитором аппаратных средств функционируете и сверххронометрируете ваши устройства аппаратных средств, чтобы получить лучшую работу системы под окружающей средой Windows -. Пожалуйста посетите наш вебсайт для порядков работы Блока настройки ОКЕАНА ASRock. Вебсайт ASRock: http: // www.asrock.com
7. ASRock Instant Flash – программа для прошивки BIOS, встроенная в Flash ROM. Данное средство для обновления BIOS умеет работать без входа в операционные системы, вроде MS-DOS или Windows®. Чтобы запустить программу достаточно нажать <F6> во время самотестирования системы (POST) или войти в BIOS при помощи кнопки <F2> и выбрать пункт ASRock Instant Flash через меню. Запустите программу и сохраните новый BIOS на USB-флэшку, дискету или жесткий диск. После этого вы сможете оперативно обновить BIOS, без необходимости подготовки

Русский

дополнительной дискеты, без установки программы прошивки. Имейте в виду, что USB-флэшка или винчестер должны использовать файловую систему FAT32/16/12.

8. Название утилиты OC DNA говорит само за себя. OC DNA – эксклюзивная утилита, разработанная компанией ASRock, которая дает возможность пользователю легко и просто записывать свои настройки разгона и делиться ими с друзьями. OC DNA позволяет сохранить настройки разгона под операционной системой, что существенно упрощает жизнь пользователя. С помощью OC DNA вы можете сохранить свои настройки разгона в виде профиля. После чего вы можете его переслать своим друзьям, и уже ваш друг сможет использовать ваш профиль на своей системе! Внимание, записанные профили будут работать только на одинаковых моделях материнских плат.
9. Если вы хотите быстрее и без ограничений заряжать свои устройства Apple, например iPhone, iPod и iPad Touch, компания ASRock приготовила отличное решение для вас – ASRock APP Charger. Просто установив драйвер APP Charger, вы сможете заряжать iPhone от компьютера намного быстрее, ускорение составит до 40%. ASRock APP Charger позволяет быстро заряжать несколько устройств Apple одновременно и даже поддерживает непрерывную зарядку, когда компьютер переходит в режим ожидания (S1), режим ожидания с сохранением данных в ОЗУ (S3), режим гибернации (S4) или режим выключения (S5). Установив драйвер APP Charger, вы испытаете небывалое удобство зарядки. Веб-сайт ASRock: http://www.asrock.com/Feature/AppCharger/index.asp
10. SmartView — это интеллектуальная стартовая страница для браузера IE, на которой отображаются наиболее посещаемые веб-сайты, история посещений, друзья в Facebook и обновляемые потоки новостей. Эта новая функция обеспечивает более удобное использование возможностей Интернета. Системные платы ASRock эксклюзивно снабжаются программой SmartView, помогающей поддерживать связь с друзьями. Программа SmartView работает в ОС Windows® 7 / Vista™ версия и браузере IE8.
    Веб-сайт ASRock: http://www.asrock.com/Feature/SmartView/index.asp
11. Функция ASRock XFast USB увеличивает скорость работы устройств USB. Рост скорости зависит от устройства.
12. ASRock XFast LAN обеспечивает более быстрый доступ к сети Интернет, который даст описанные далее преимущества. Установка приоритетов приложений ЛВС: можно задать оптимальный приоритет для своего приложения и/или добавить новые программы. Более низкая латентность в игре: после установки более высокого приоритета игре в режиме онлайн, может снизиться латентность в игре. Формирование трафика: можно одновременно просматривать видео высокого разрешения на Youtube и загружать файлы. Анализ

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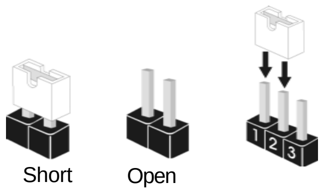
данных в реальном времени: в окне состояния можно легко определить, какие потоки данных передаются в данный момент времени.

13. Хотя данная материнская плата поддерживает плавную настройку частоты, устанавливать повышенную частоту не рекомендуется. Использование значений частоты шины процессора отличающихся от рекомендованных, может привести к нестабильной работе системы или повреждению процессора и материнской платы.
14. При обнаружении перегрева процессора работа системы автоматически завершается. Прежде чем возобновить работу системы, убедитесь в нормальной работе вентилятора процессора на материнской плате и отсоедините шнур питания, а затем снова подключите его. Чтобы улучшить отвод тепла, не забудьте при сборке компьютера нанести термопасту между процессором и радиатором.
15. EuP расшифровывается как Energy Using Product. Стандарт был разработан Европейским Союзом для определения энергопотребления готовых систем. По требованию EuP система в выключенном состоянии должна потреблять менее 1 Вт энергии. Для соответствия стандарту EuP нужны соответствующие материнская плата и блок питания. Компания Intel предложила, что совместимый с EuP блок питания должен обеспечивать 50% эффективность линии питания 5V при потреблении 100 мА (в режиме ожидания). Сверьтесь с информацией производителей блоков питания, чтобы выбрать модель с поддержкой EuP.

Русский

1.3 Установка перемычек

Конфигурация перемычек иллюстрируется на рисунке. Когда перемычка надета на контакты, они называются “замкнутыми” (short). Если на контактах перемычки нет, то они называются “разомкнутыми” (open). На иллюстрации показана 3-контактная перемычка, у которой контакты 1 и 2 замкнуты.



Перемычка — Установка — Описание

PS2 USB PWR1
(см. стр. 2, п. 1)



Замкните контакты 2 и 3, чтобы выбрать режим +5VSB и разрешить включение по событиям PS/2 или USB23.

Примечание. Выбирая режим +5VSB, имейте в виду, что он требует от блока питания тока в режиме ожидания не менее 2 А.

USB PWR2
(см. стр. 2, п. 19)



Замкните контакты 2 и 3, чтобы выбрать режим +5V DUAL и разрешить включение по событиям USB23.

Примечание. Выбирая режим +5V DUAL, имейте в виду, что он требует от блока питания тока в режиме ожидания не менее 2 А. В случае выбора режима «+5V DUAL» USB-устройства могут пробуждать систему из состояния S3 (приостановка с сохранением данных в ОЗУ).

USB PWR3
(см. стр. 2, п. 11)



Замкните контакты 2 и 3, чтобы выбрать режим +5VSB и разрешить включение по событиям USB4 5/6 7.

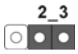
Примечание. Выбирая режим +5VSB, имейте в виду, что он требует от блока питания тока в режиме ожидания не менее 2 А.

Русский

Очистка CMOS
(CLRCMOS1,
3-контактная перемычка)
(см. стр. 2, п. 18)



Стандартные



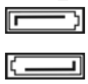
Очистка CMOS

Примечание. CLRCMOS1 позволяет очистить данные в памяти CMOS. Данные, хранящиеся в памяти CMOS, содержат сведения о настройке системы, такие как системный пароль, дата и параметры настройки. Чтобы сбросить и установить стандартные настройки системы, выключите компьютер и отключите сетевой кабель от блока питания. Подождав 15 секунд, при помощи перемычки замкните контакты pin2 и pin3 CLRCMOS1 на 5 секунд. Однако не очищайте память CMOS сразу после обновления BIOS. При необходимости очистить память CMOS после завершения обновления BIOS необходимо перед очисткой памяти CMOS сначала загрузить систему, а затем выключить ее.

1.4 Колодки и разъемы на плате

Имеющиеся на плате колодки и разъемы НЕ ЯВЛЯЮТСЯ контактами для перемычек. НЕ УСТАНАВЛИВАЙТЕ перемычки на эти колодки и разъемы – это приведет к необратимому повреждению материнской платы!

Разъемы Serial ATAII
(SATAII_1, см. стр. 2, п. 14)
(SATAII_2, см. стр. 2, п. 16)



Два соединителя Serial ATAII предназначаются для подключения внутренних устройств хранения с использованием интерфейсных кабелей SATAII. В настоящее время интерфейс SATA допускает скорость передачи данных до \ 3,0 Гбит/с.

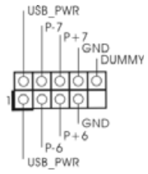
Информационный кабель Serial ATA (SATA) (дополнительно)



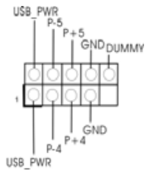
Информационный кабель интерфейса SATA / SATAII не являетсянаправленным. Любой из его соединителей может быть подключен либо к жесткому диску интерфейса SATAII либо к материнской плате.

Русский

Колодка USB 2.0
(9-контактный USB6 7)
(см. стр. 2, п.13)

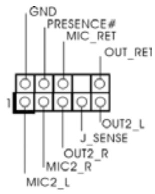


(9-контактный USB4 5)
(см. стр. 2, п.17)



Помимо двух имеющихся в стандартной конфигурации портов USB 2.0 на панели ввода-вывода, данная материнская плата содержит также три колодки USB 2.0. Каждая из колодок USB 2.0 позволяет подключить по два порта USB 2.0.

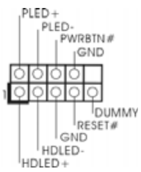
Аудиоразъем передней панели
(9-контактный HD AUDIO1)
(см. стр. 2, п. 15)



Этот интерфейс предназначен для присоединения аудиокабеля передней панели, обеспечивающего удобное подключение аудиоустройств и управление ими.

1. Система High Definition Audio поддерживает функцию автоматического обнаружения разъемов (Jack Sensing), однако для ее правильной работы кабель панели в корпусе должен поддерживать HDA. При сборке системы следуйте инструкциям, приведенным в нашем руководстве и руководстве пользователя для корпуса.
2. Если вы используете аудиопанель AC'97, подключите ее к колодке аудиоинтерфейса передней панели следующим образом:
   A. Подключите выводы Mic IN (MIC) к контактам MIC2 L.
   B. Подключите выводы Audio R (RIN) к контактам OUT2 R, а выводы Audio L (LIN) к контактам OUT2 L.
   C. Подключите выводы Ground (GND) к контактам Ground (GND).
   D. Контакты MIC RET и OUT RET предназначены только для аудиопанели HD. При использовании аудиопанели AC'97 подключать их не нужно.

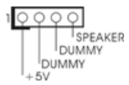
Колодка системной панели
(9-контактный PANEL1)
(см. стр. 2, п. 8)



Данная колодка обеспечивает работу нескольких функций передней панели системы.

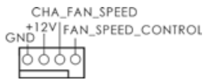
Русский

Колодка динамика корпуса
(4-контактный SPEAKER1)
(см. стр. 2, п. 9)



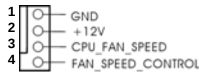
Подключите к этой колодке кабель от динамика на корпусе компьютера.

Разъем вентилятора корпуса
(4-контактный CHA_FAN1)
(см. стр. 2, п. 2)



Подключите к этому разъему кабель вентилятора на корпусе компьютера так, чтобы черный провод соответствовал контакту земли.

Разъем вентилятора процессора
(4-контактный CPU_FAN1)
(см. стр. 2, п. 20)

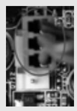


Подключите к этому разъему кабель вентилятора процессора так, чтобы черный провод соответствовал контакту земли.



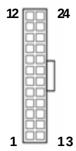
Данная материнская плата поддерживает вентиляторы процессора с 4-контактным разъемом (функция тихого режима вентилятора), однако вентиляторы с 3-контактным разъемом также будут успешно работать, хотя функция управления скоростью вращения вентилятора окажется недоступной. Если вы хотите подключить вентилятор процессора с 3-контактным разъемом к разъему вентилятора процессора на данной материнской плате, для этого следует использовать контакты 1-3.

Контакты 1-3 подключены



Установка вентилятора с 3-контактным разъемом

Колодка питания ATX
(24-контактный ATXPWR1)
(см. стр. 2, п. 7)



Подключите к этой колодке кабель питания ATX.



Несмотря на то, что эта материнская плата предусматривает 24-штыревой разъем питания ATX, работа будет продолжаться, даже если адаптируется традиционный 20-штыревой разъем питания ATX. Для использования 20-штыревого разъема питания ATX вставьте источник питания вместе со штекером 1 и штекером 13.



Установка 20-штыревого разъема питания ATX

Русский

2. Информация о BIOS

Утилита настройки BIOS (BIOS Setup) хранится во флэш-памяти на материнской плате. Чтобы войти в программу настройки BIOS Setup, при запуске компьютера нажмите <F2> во время самопроверки при включении питания (Power-On-Self-Test – POST). Если этого не сделать, то процедуры тестирования POST будут продолжаться обычным образом. Если вы захотите вызвать BIOS Setup уже после POST, перезапустите систему с помощью клавиш <Ctrl> + <Alt> + <Delete> или нажатия кнопки сброса на корпусе системы. Подробную информацию о программе BIOS Setup вы найдете в Руководстве пользователя (в формате PDF) на компакт-диске поддержки.

3. Информация о компакт-диске поддержки с программным обеспечением

Данная материнская плата поддерживает различные операционные системы Microsoft® Windows®: 7 / Vista™ / XP. Поставляемый вместе с ней компакт-диск поддержки содержит необходимые драйверы и полезные утилиты, которые расширяют возможности материнской платы. Чтобы начать работу с компакт-диском поддержки, вставьте его в дисковод CD-ROM. Если в вашем компьютере включена функция автозапуска (AUTORUN), то на экране автоматически появится главное меню компакт-диска (Main Menu). Если этого не произошло, найдите в папке BIN на компакт-диске поддержки файл ASSETUP.EXE и дважды щелкните на нем, чтобы открыть меню.

Русский

1. Introdução

Gratos por comprar nossa placa–mãe ***PV530A-ITX*** um produto confiável feito com ASRock um estrito controle de qualidade consistente. Com um excelente desempenho, essa placa é dotada de um projeto robusto que atende a ASRock de compromisso com a qualidade e durabilidade.

Este Guia de Instalação Rápida apresenta a placa-mãe e o guia de instalação passo a passo. Mais informações detalhadas sobre a placa-mãe podem ser encontradas no manual do usuário do CD de suporte.

> Porque as especificações da placa mãe e o software de BIOS poderiam ser atualizados, o conteúdo deste manual pode ser cambiado sem aviso. Em caso de qualquer modificação deste manual, a versão atualizada estará disponível no website de ASRock sem prévio aviso. Pode também encontrar as listas das mais recentes placas VGA e das CPUs suportadas no site da web da ASRock.
> Website de ASRock http://www.asrock.com
> Se precisar de apoio técnico em relação a este placa-mãe, por favor visite o nosso sítio da internet para informação específica acerca do modelo que está a utilizar.
> www.asrock.com/support/index.asp

1.1 Este pacote contém

Placa-mãe ASRock ***PV530A-ITX***
(Formato Mini-ITX: 6,7 pol. x 6,7 pol., 17,0 cm x 17,0 cm)
Guia de instalação rápida da ASRock ***PV530A-ITX***
CD de suporte da placa ASRock ***PV530A-ITX***
Dois cabo de dados ATA Serial (SATA) (Opcional)
Uma proteção I/O

Português

1.2 Especificações

Plataforma	- Formato Mini-ITX: 6,7 pol. x 6,7 pol., 17,0 cm x 17,0 cm - Condensador Solid para alimentação da CPU
CPU	- Processador VIA® PV530 (1.8 GHz) - FSB800 MHz - Suporta a tecnologia Untied Overclocking (veja o **AVISO 1**)
Chipsets	- VIA® VX900 A3
Memória	- 2 x slots de DDR3 DIMM - Suporte para memória não intermédia DDR3 800, não ECC (veja o **AVISO 2**) - Capacidade máxima de memória do sistema: 4GB (veja o **AVISO 3**)
Slots de Expansão	- 1 x slot de PCI
VGA integrado	- Placa gráfica incorporada VIA® Chrome9 HD DX9 - Pixel Shader 2.0, DX9.0 VGA - Memória partilhada máxima 512MB (veja o **AVISO 4**) - Suporta D-Sub com resolução máxima até 2048x1536 @ 75Hz
Áudio	- Áudio de alta definição de canal 5.1 (Codec de áudio VIA® VT1705)
LAN	- Realtek PCIE x1 LAN 8105E - Velocidade: 10 / 100 Ethernet - Suporta Wake-On-LAN - Suporta PXE
Entrada/Saída pelo painel traseiro	I/O Panel - 1 x porta para mouse PS/2 - 1 x porta para teclado PS/2 - 1 x porta paralela (com suporte ECP/EPP) - 1 x porta COM1 - 1 x porta VGA - 4 x portas USB 2.0 padrão - 1 x porta LAN RJ-45 com LED (LED ACT/LIG e LED VELOCIDADE) - Áudio Jack: saída / entrada de linha / microfone + porta de jogos
Conectores	- 2 x conectores SATA2, suporte a taxa de transferência de dados de até 3,0 Gb/s (veja o **AVISO 5**) - Conector do ventilador da CPU/chassis - Conector de força do ATX de 24 pinos - Conector Áudio do painel frontal

Português

	- 2 x cabezal USB 2.0 (suporta 4 portas USB 2.0)
BIOS	- 4Mb BIOS AMI - BIOS AMI - Suporta dispositivos "Plug and Play" - ACPI 1.1 atendendo a eventos de "wake up" - Suporta dispositivos sem jumper - Suporte para SMBIOS 2.3.1
CD de suporte	- Controladores, utilitários, software antivírus (Experimentacao Versao), CyberLink MediaEspresso 6.5 versão de demonstração, conjunto de programas da ASRock (CyberLink DVD Suite - OEM e versão de demonstração; Creative Sound Blaster X-Fi MB - versão de demonstração; ASRock MAGIX Multimedia Suite - OEM)
Funcionalidade Única	- Sintonizador ASRock OC (veja o **AVISO 6**) - ASRock Instant Boot - ASRock Instant Flash (veja o **AVISO 7**) - ASRock OC DNA (veja o **AVISO 8**) - ASRock APP Charger (veja o **AVISO 9**) - ASRock SmartView (veja o **AVISO 10**) - ASRock XFast USB (veja o **AVISO 11**) - ASRock XFast LAN (veja o **AVISO 12**) - Booster híbrido: - Frequência da CPU com controle contínuo (veja o **AVISO 13**) - ASRock U-COP (veja o **AVISO 14**) - B.F.G. (Boot Failure Guard)
Monitor do HW	- Sensores de temperature do procesador - Medição de temperatura da placa-mãe - Tacômetros de ventilador do Processador - Tacômetros de ventilador do chassis - Ventoinha silenciosa para a CPU - Controle de várias velocidades do ventilador de CPU/ chassis - Monitoramento de voltagem : +12 V, +5 V, +3.3 V, Vcore
Sistema Operacional	- Microsoft® Windows® 7 / Vista™ / XP
Certificações	- FCC, CE, WHQL - "ErP/EuP Ready" (é necessária alimentação eléctrica "ErP/ EuP Ready") (veja o **AVISO 15**)

* Para informações mais detalhadas por favor visite o nosso sítio Web: http://www.asrock.com

Português

AVISO

Tenha em atenção que a operação de overclocking envolve alguns riscos, nomeadamente no que diz respeito ao ajuste das definições do BIOS, à aplicação da tecnologia Untied Overclocking ou à utilização de ferramentas de overclocking de terceiros. O overclocking pode afectar a estabilidade do seu sistema ou até mesmo causar danos ao nível dos componentes e dispositivos que integram o sistema. Esta operação é da total responsabilidade do utilizador. Não nos responsabilizamos pelos possíveis danos resultantes do overclocking.

AVISO!

1. Esta placa principal suporta a tecnologia Untied Overclocking. Consulte a secção "Tecnologia Untied Overclocking" na página 15 para mais informações.
2. O módulo de memória DDR3 1066 apenas pode ser instalado numa das ranhuras DIMM DDR3. Se instalar dois módulos de memória DDR3 1066 nesta placa principal, estes funcionarão à mesma velocidade dos módulos DDR3 800.
3. Devido a limitação de chipset, o tamanho de memória atual pode ser menos de 4GB para a reservação para a utilização de sistema sub Windows® OS.
4. O máximo tamanho de memória compartilhada é definido por vendedor de chipset e é sujeito a mudar. Verifique o VIA® website para a última informação.
5. Antes de instalar o disco duro SATAII no conector SATAII, por favor leia o "Guia de Instalação do Disco duro SATAII" na página 18 do Manual do Usuário no CD de suporte, para definir a sua unidade de disco duro SATAII com o modo SATAII. Também pode ligar directamente o disco duro SATA ao conector SATAII.
6. É uma ferramenta de overclocking da ASRock fácil de utilizar que lhe permite vigiar i seu sistema via a função de monitorização de hardware e proceder ao overclock dos dispositivos de hardware para obter o melhor desempenho em ambiente Windows®. Por favor visite o nosso sítio Web para conhecer os procedimentos de funcionamento do Sintonizador ASRock OC.
   Sítio Web da ASRock: http://www.asrock.com
7. ASRock Instant Flash est un utilitaire de flash du BIOS flash intégré dans la ROM Flash. Cet outil pratique de mise à jour du BIOS vous permet de mettre à jour le BIOS du système sans entrer d'abord dans un système d'exploitation tel que MS-DOS ou Windows®. Avec cet utilitaire, vous pouvez appuyer sur la touche <F6> pendant le POST ou sur la touche <F2> durant le menu de configuration du BIOS pour accéder à ASRock Instant Flash. Lancez simplement cet outil et enregistrez le nouveau fichier BIOS sur votre lecteur flash USB, sur une disquette ou un disque, avant de pouvoir mettre à jour votre BIOS en quelques clics seulement, sans préparer de disquette supplémentaire ni

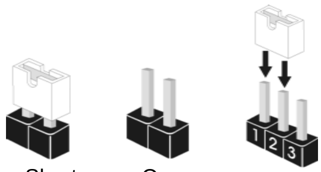
d'autre utilitaire flash compliqué. Veuillez noter que le lecteur flash USB ou le disque dur doit utiliser le système de fichiers FAT32/16/12.

8. O próprio nome do software – OC DNA diz-lhe literalmente aquilo de que é capaz. OC DNA, um utilitário exclusivo desenvolvido pela ASRock, proporciona uma forma conveniente para o utilizador gravar as definições OC e partilhar com outros. Ajuda-o a guardar o seu registo de "overclocking" (aumento da frequência do processador) no sistema operativo e simplifica o complexo processo de gravação das definições de "overclocking". Com OC DNA, pode guardar as suas definições OC como perfil e partilhá-las com os seus amigos! Depois, os seus amigos podem carregar o perfil OC no seu próprio sistema para obter as mesmas definições OC que você tem! Por favor, tenha em conta que o perfil OC só pode ser partilhado e trabalhado na mesma placa-mãe.
9. Se pretende carregar os seus dispositivos Apple, como o iPhone/iPod/iPad Touch, de forma mais rápida e menos limitada, a ASRock preparou para si uma solução fantástica, o ASRock APP Charger. Instale o controlador APP Charger para que o seu iPhone carregue mais rapidamente a partir do computador, até 40% mais rápido do que antes. O ASRock APP Charger permite-lhe carregar rapidamente vários dispositivos Apple em simultâneo e suporta até o carregamento quando o seu PC entrar em modo de Espera (S1), Suspensão (S3), Hibernação (S4) ou desligado (S5). Com o controlador APP Charger instalado, poderá desfrutar facilmente da melhor experiência de carregamento. Web site da ASRock: http://www.asrock.com/Feature/AppCharger/index.asp
10. O SmartView, uma nova função para navegadores de Internet, é uma página inicial inteligente para o IE que combina os seus sites mais visitados, o seu histórico, os seus amigos do Facebook e o seu newsfeed em tempo real numa página avançada para oferecer uma experiência de Internet mais pessoal. As placas principais da ASRock estão equipadas exclusivamente com o utilitário SmartView que lhe permite manter-se facilmente em contacto com os seus amigos. Para utilizar a funcionalidade SmartView, certifique-se de que a sua versão de SO é Windows® 7 / Vista™, e que a versão do seu navegador é IE8. Página Web da ASRock: http://www.asrock.com/Feature/SmartView/index.asp
11. O ASRock XFast USB pode aumentar a velocidade dos dispositivos de armazenamento USB. A velocidade poderá depender das propriedades dos dispositivos.

12. A ASRock XFast LAN proporciona um acesso à Internet mais rápido, que inclui os benefícios abaixo. Prioritização de Aplicações LAN: O utilizador pode configurar a prioridade da aplicação de forma ideal e/ ou pode adicionar novos programas. Menor Latência nos Jogos: Depois de definir maior prioridade para o jogo on-line, pode baixar a latência no jogo. Traffic Shaping: Pode assistir a vídeos do Youtube em HD e transferir ficheiros em simultâneo. Análise em tempo real dos seus dados: Com a janela de estado, pode reconhecer facilmente os fluxos de dados das suas transferências actuais.
13. Apesar de esta placa-mãe oferecer controle continuamente variável, não se recomenda efetuar over-clock. Freqüências de barramento diferentes das recomendadas para a CPU podem provocar instabilidade do sistema ou danos à CPU.
14. Assim que se detecta um superaquecimento na CPU, o sistema se desliga automaticamente e o botão de energia do chassis fica inativo.Cheque o ventilador da CPU na placa–mãe, para verificar se está funcionando corretamente antes de religar o sistema. Para melhorar a dissipação de calor, lembre-se de aplicar o material de interface térmica entre o processador e o dissipador de calor.
15. EuP, que significa Energy Using Product (Produto que Utiliza Energia), foi uma provisão regulada pela União Europeia para definir o consumo de energia para o sistema concluído. De acordo com a EuP, a corrente AC total do sistema concluído deverá ser inferior a 1. 00W no estado de modo desligado. Para satisfazer a norma EuP, é necessário uma placa-mãe e uma fonte de alimentação eléctrica que estejam em conformidade com a norma EuP. De acordo com a sugestão da Intel, a fonte de alimentação em conformidade com a norma EuP deve satisfazer o padrão, isto é, a eficiência energética de reserva de 5v deve ser superior a 50% com um consumo de corrente de 100 mA. Para selecção da fonte de alimentação em conformidade com a norma EuP, recomendamos que confirme com o fabricante da fonte de alimentação para mais detalhes.

1.3 Configuração dos Jumpers

A ilustração mostra como os jumpers são configurados. Quando há uma capa de jumpers sobre os pinos, diz–se que o jumper está “curto”. Não havendo capa sobre os pinos, o jumper está “aberto”. A ilustração mostra um jumper de 3 pinos em que os pinos 1 e 2 están “curtos” quando a capa de jumper estiver colocada sobre esses 2 pinos.



Short Open

Jumper	Configuração	
PS2_USB_PWR1 (veja a folha 2, No. 1)		Pin2, Pin3 curtos para habilitar +5VSB (stand by) para PS/2 ou eventos de wake up na USB23.

Nota: Para escolher +5VSB, é preciso uma corrente de stand by de 2 A ou mais.

USB_PWR2 (veja a folha 2, No. 19)		Pin2, Pin3 curtos para habilitar +5V_DUAL para eventos de wake up na USB01.

Nota: Para seleccionar +5V_DUPLO, são necessários 2 Amp e uma corrente de repouso mais elevada fornecida pela fonte de alimentação. Quando seleccionar +5V_DUPLO, os dispositivos USB podem activar o sistema quando este se encontra no estado S3 (Suspender para RAM).

USB_PWR3 (veja a folha 2, No. 11)		Pin2, Pin3 curtos para habilitar +5VSB (stand by) para eventos de wake up na USB4_5/6_7.

Nota: Para escolher +5VSB, é preciso uma corrente de stand by de 2 A ou mais.

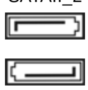
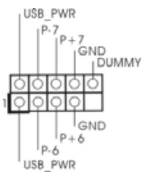
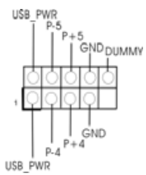
Restaurar CMOS (CLRCMOS1, jumper de 2 pinos) (veja a folha 2, No. 18)	 Configuração-padrão	Limpar o CMOS

Nota: CLRCMOS1 permite você limpar os dados em CMOS. Os dados em CMOS incluem informações da configuração do sistema como: por exemplo a senha do sistema, data, tempo, e os parámetros da configuração do sistema. Para limpar e reconfigurar os parámetros do sistema a configuração inicial da fábrica, por favor desligue o cabo de força, ponha em curto–circuito os pin 2

e pin 3 de CLRCMOS1 por mais de 5 segundos para limpar o CMOS usando um jumper. Por favor lembrese de remover o jumper depois de limpar o COMS. Se precisar limpar o CMOS ao concluir a atualização do BIOS, deverá reiniciar o sistema primeiro e, em seguida, desligá-lo antes de executar a ação de limpeza o CMOS.

1.4 Conectores

Os conectores NÃO SÃO jumpers. NÃO coloque capas de jumper sobre estes conectores. A colocação de pontos de jumper sobre os conectores causará danos irreversíveis à placa-mãe.

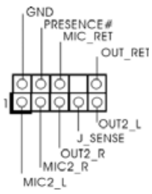
Conector	Figura	Descrição
Conectores ATAII Serial (SATAII_1: veja a folha 2, No. 14) (SATAII_2: veja a folha 2, No. 16)		Estes dois conectores Serial ATA (SATAII) suportam unidades de disco rígido SATA ou SATAII como dispositivos de armazenamento internos. A atual interface SATAII permite uma taxa de transferência de dados de até 3.0 Gb/s.
Cabo de dados ATA (SATA) (opcional)		Tanto a saída do cabo de Serial dados SATA pode ser conectado ao disco rígido SATA / SATAII quanto o conector SATAII na placa mãe.
Cabezal USB 2.0 (USB6_7 de 9 pinos) (veja a folha 2, No. 13) (USB4_5 de 9 pinos) (veja a folha 2, No. 17)	 	Além das quatro portas USB 2.0 por defeito no painel de entrada/saída, há dois ligações USB 2.0 nesta placa-mãe. Cada ligação USB 2.0 pode suportar dois portas USB 2.0.

Português

Conector Áudio do painel frontal

(HD_AUDIO1 de 9 pinos)

(veja a folha 2, No. 15)



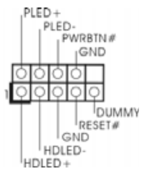
Esta é uma interface para o cabo de áudio no painel frontal, que permite uma conexão e controle convenientes dos dispositivos de áudio.

1. Áudio de elevada definição que suporta a sensibilidade da tomada, mas o fio do painel existente no chassis tem de suportar HDA para funcionar correctamente. Siga s instruções que aparecem no manual e no manual do chassis para instalar o sistema.
2. Se utilizar o painel de áudio AC'97, instale-o no cabeçalho de áudio do painel frontal, como a figura abaixo mostra:
   A. Ligue o Mic_IN (MIC) ao MIC2_L.
   B. Ligue o Audio_R (RIN) ao OUT2_R e o Audio_L (LIN) ao OUT2_L.
   C. Ligue o Ground (GND) ao Ground (GND).
   D. MIC_RET e OUT_RET são apenas para o painel de áudio HD. Não necessita de os ligar para o painel de áudio AC'97.

Conector do painel do sistema

(PANEL1 de 9 pinos)

(veja a folha 2, No. 8)

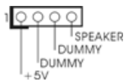


Este conector acomoda várias funções do painel frontal do sistema.

Conector do alto-falante do chassi

(SPEAKER1 de 4 pinos)

(veja a folha 2, No. 9)

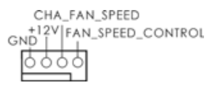


Ligue o alto-falante do chassi neste conector.

Conector do ventilador do chassis

(CHA_FAN1 de 4 pinos)

(veja a folha 2, No. 2)

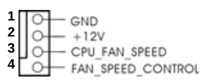


Ligue o cabo do ventilador neste conector, coincidindo o fio preto com o pino de aterramento.

Conector do ventilador da CPU

(CPU_FAN1 de 4 pinos)

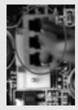
(veja a folha 2, No. 20)



Ligue o cabo do ventilador da CPU, coincidindo o fio preto com o pino de aterramento.

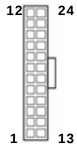
Apesar de esta placa-mãe possuir 4 apoios para uma ventoinha de CPU (Ventoinha silenciosa), uma ventoinha de 3 pinos para CPU poderá funcionar mesmo sem a função de controlo de velocidade da ventoinha. Se pretender ligar uma ventoinha de 3 pinos para CPU ao conector de ventoinha do CPU nesta placa-mãe, por favor, ligue-a aos pinos 1-3.

Pinos 1-3 ligados



Instalação de Ventoinha de 3 pinos

Conector de força do ATX
(ATXPWR1 de 24 pinos)
(veja a folha 2, No. 7)



Ligue a fonte de alimentação ATX neste conector.

Embora esta placa-mãe providencie um conector de energia ATX de 24 pinos, pode apesar disso funcionar com a adapta-ção de uma fonte de energia tradicional de 20 pinos. Para usar a fonte de alimentação de 29 pinos, por favor ligue a sua fonte de alimentação com o Pino 1 e o Pino 13.



Instalação da Fonte de alimentação ATX de 20 Pinos

Português

2. Informações da BIOS

O Utilitário de Configuração do BIOS está armazenado no chip FWH do BIOS. Ao iniciar o computador, pressione <F2> durante o Autoteste de iniciação (POST) para acessar o Utilitário de Configuração do BIOS; caso contrário, o POST continuará com as rotinas de teste. Se desejar acessar o Utilitário de Configuração do BIOS depois do POST, reinicie o sistema pressionando <Ctl> + <Alt> + <Del>, ou pressionando o botão de reinício no chassi do sistema. Para as informações detalhadas sobre o Utilitário de Configuração do BIOS, consulte o Manual do Usuário (arquivo PDF) no CD de suporte.

3. Informações do CD de Suporte

Esta placa Mãe suporta vários sistemas operacionais: Microsoft® Windows®: 7 / Vista™ / XP. O CD de instalação que acompanha a placa Mãe contem: drivers e utilitários necessários para um melhor desempenho da placa Mãe. Para começar a usar o CD de instalação, introduza o CD na leitora de CD-ROM do computador. Automaticamente iniciará o menu principal, casa o AUTORUN esteja ativado. Se o menu principal não aparecer automaticamente, explore o CD e execute o "ASSETUP.EXE" localizado na pasta BIN.

1. Giriş

ASRock'ın kesintisiz titiz kalite denetimi altında üretilen güvenilir bir anakart olan ASRock ***PV530A-ITX*** anakartını satın aldığınız için teşekkür ederiz. ASRock'ın kalite ve dayanıklılık konusundaki kararlılığına uygun güçlü tasarımıyla mükemmel bir performans sunar.
Bu kılavuzda, bölüm 1 ve 2 anakarta giriş ve donanım yüklemesine adım adım kılavuz içerir. Destek CD'sinin bölüm 3 ve 4'ü, BIOS ayarları ve bilgilerini içerir.

Anakart özellikleri ve BIOS yazılımı güncelleştirilebileceğinden bu kılavuzun içeriği önceden haber verilmeksizin değişebilir. Bu belgede değişiklik yapılması durumunda, güncelleştirilmiş sürüm ayrıca haber verilmeksizin ASRock web sitesinde sunulur. En son VGA kartlarını ve CPU destek listelerini de ASRock web sitesinde bulabilirsiniz.
ASRock web sitesi: http://www.asrock.com
Bu anakartla ilgili teknik desteğe ihtiyacınız olursa, kullandığınız modele özel bilgiler için lütfen web sitemizi ziyaret edin.
www.asrock.com/support/index.asp

1.1 Paket İçindekiler

Bir ASRock ***PV530A-ITX*** Anakartı
(Mini-ITX Form Faktörü: 6,7 inç x 6,7 inç, 17,0 cm x 17,0 cm)
Bir ASRock ***PV530A-ITX*** Hızlı Takma Kılavuzu
Bir ASRock ***PV530A-ITX*** Destek CD'si
İki Seri ATA (SATA) Veri Kablosu (İsteğe Bağlı)
Bir G/Ç Panel Kalkanı

1.2 Özellikler

Platform	- Mini-ITX Form Faktörü: 6,7 inç x 6,7 inç, 17,0 cm x 17,0 cm - CPU gücü için Katı Kapasitör
CPU	- VIA® PV530 işlemcileri (1,8 GHz) - FSB 800 MHz - Untied Overclocking Teknolojisini destekler (bkz. **DİKKAT 1**)
Yonga seti	- VIA® VX900 A3
Bellek	- 2 x DDR3 DIMM yuva - DDR3 1066/800 ECC olmayan, ara belleksiz bellek (bkz. **DİKKAT 2**) - Sistem belleğinin maks. kapasitesi: 4 GB (bkz. **DİKKAT 3**)
Genişletme Yuvası	- 1 x PCI yuva
Grafikler	- VIA® Chrome9 HD DX9 grafik kartı - Pixel Shader 2.0, DirectX 9.0 - Maks. paylaşılan bellek 512 MB (bkz. **DİKKAT 4**) - 75Hz'de 2048x1536'a kadar maks. çözünürlükle D-Sub'ı destekler
Ses	- (VIA® VT1705 Ses Codec'i) 5,1 Kanal HD Ses
LAN	- Realtek PCIE x1 LAN 8105E - hız 10/100 Mb/sn - LAN'da Uyan özelliğini destekler - PXE destekler
Arka Panel G/Ç	G/Ç Paneli - 1 x PS/2 Fare Portu - 1 x PS/2 Klavye Portu - 1 x Paralel Portu (ECP/EPP destekler) - 1 x Seri Port: COM1 - 1 x VGA Portu - 4 x Kullanıma Hazır USB 2.0 Portu - 1 x RJ-45 LAN Portu, LED'li (AKT/LİNK LED'i ve HIZ LED'i) - HD Ses Jakı: Hat girişi / Ön Hoparlör / Mikrofon
Konektör	- 2 x SATA2 3,0 Gb/s konektör (bkz. **DİKKAT 5**) - CPU/Kasa FAN konektörü - 24 pin ATX güç konektörü - Ön panel ses fişi - 2 x USB 2.0 fiş (4 USB 2.0 portu destekler)
BIOS Özelliği	- 4 Mb AMI BIOS - AMI Legal BIOS - "Tak Çalıştır"ı destekler - ACPI 1.1 Uyumlu Uyandırma Olayları

	- Jumpersızı destekler - SMBIOS 2.3.1 Desteği
Destek CD'si	- Sürücüler, Yardımcı Programlar, AntiVirüs Yazılımı (Deneme Sürümü), CyberLink MediaEspresso 6.5 Deneme, ASRock Yazılım Paketi (CyberLink DVD Paketi - OEM ve Deneme; Creative Sound Blaster X-Fi MB - Deneme; ASRock MAGIX Multimedia Suite - OEM)
Benzersiz Özellik	- ASRock OC Tuner (bkz. **DİKKAT 6**) - ASRock Anında Önyükleme - ASRock Anında Flash (bkz. **DİKKAT 7**) - ASRock OC DNA (bkz. **DİKKAT 8**) - ASRock APP Charger (bkz. **DİKKAT 9**) - ASRock SmartView (bkz. **DİKKAT 10**) - ASRock XFast USB (bkz. **DİKKAT 11**) - ASRock XFast LAN (bkz. **DİKKAT 12**) - Hibrit Yükseltici: - CPU Frekans Adımsız Kontrol (bkz. **DİKKAT 13**) - ASRock U-COP (bkz. **DİKKAT 14**) - Önyükleme Hatası Koruması (B.F.G.)
Donanım Monitör	- CPU Sıcaklık Duyarlılığı - Kasa Sıcaklık Duyarlılığı - CPU Fan Takometresi - Kasa Fan Takometresi - CPU Sessiz Fan - CPU/Kasa Fan Çoklu-Hız Kontrolü - Voltaj İzleme: +12V, +5V, +3,3V, Vcore
İS	- Microsoft® Windows® 7 / Vista™ / XP uyumlu
Sertifikalar	- FCC, CE, WHQL - ErP/EuP Hazır (ErP/EuP hazır güç kaynağı gerekli) (bkz. **DİKKAT 15**)

* Ayrıntılı ürün bilgileri için lütfen web sitemizi ziyaret edin: http://www.asrock.com

UYARI

Lütfen, ayarı BIOS'da ayarlama, Untied Overclocking Teknolojisi'ni uygulama veya üçüncü taraf aşırı hızlandırma araçlarını kullanma gibi durumlarda aşırı hızlandırmayla ilgili risk olduğunu unutmayın. Aşırı hızlandırma sisteminizin kararlılığını etkiler veya hatta sisteminizin bileşenlerini ve cihazlarına zarar verebilir. Bu risk size aittir ve zararı siz ödersiniz. Aşırı hızlandırmadan kaynaklanan olası zarardan sorumlu değiliz.

Türkçe

DİKKAT!

1. Bu anakart Untied Overclocking Teknolojisi'ni destekler. Ayrıntılar için lütfen sayfa 15'teki "Untied Overclocking Teknolojisi"ni okuyun.
2. DDR3 1066 bellek modülü, yalnızca DDR3 DIMM yuvalarından birine takılabilir. Bu anakarta iki adet DDR3 1066 bellek modülü takarsanız, DDR3 800 hızında çalışacaklardır.
3. İşletim Yonga seti kısıtlaması nedeniyle, Windows® İS altında sistem kullanımı için ayırmak için gerçek bellek boyutu 4 GB'den az olabilir.
4. Maksimum paylaşılan bellek boyutu yonga seti satıcısı tarafından tanımlanır ve değişebilir. Lütfen en son bilgileri için VIA® web sitesini kontrol edin.
5. SATAII sabit diskini SATAII konektörüne takmadan önce, SATAII sabit disk sürücünüzü SATAII moduna ayarlamak için lütfen destek CD'sindeki "Kullanıcı Kılavuzu", sayfa 18'teki "SATAII Sabit Disk Kurulum Kılavuzu" nu okuyun. Ayrıca SATA sabit diskini SATAII konektörüne doğrudan da bağlayabilirsiniz.
6. Windows® ortamında en iyi sistem performansını almak için donanım izleme işleviyle sisteminizi izleyen ve donanım cihazlarınızı aşırı hızlandıran kullanıcı dostu bir ASRock aşırı hızlandırma aracıdır. ASRock OC Tunerin çalışma prosedürleri için lütfen web sitemizi ziyaret edin.
   ASRock web sitesi: http://www.asrock.com
7. ASRock Anında Flash, Flash ROM'a katıştırılmış bir BIOS flash yardımcı programıdır. Bu kullanışlı BIOS güncelleme aracı, sistem BIOS'unu MS-DOS veya Windows® gibi ilk önce işletim sistemine girmeden güncellemenizi sağlar. Bu yardımcı programla, POST sırasında <F6> tuşuna basabilirsiniz veya BIOS ayarları menüsünün ASRock Anında Flash'a erişmesi için <F2> tuşuna basabilirsiniz. Bu aracı başlatın ve yeni BIOS dosyasını USB flash sürücünüze, diskete veya sabit sürücüye kaydedin, sonra BIOS'unuzu yalnızca birkaç tıklatma ile ek bir disket veya diğer karmaşık flash yardımcı programlarını hazırlamadan güncelleyebilirsiniz. Lütfen USB flash sürücünün veya sabit diskin FAT32/16/12 dosya sistemi kullanması gerektiğini unutmayın.
8. Yazılım adı OC DNA'dır ve bu ad harfi harfine özelliklerini anlatır. OC DNA, ASRock tarafından geliştirilmiş özel bir yardımcı programdır, kullanıcının OC ayarlarını kaydetmesi ve başkalarıyla paylaşması için uygun bir yol sağlar. İşletim sistemi altında aşırı hızlandırma kaydınızı kaydetmenize yardımcı olur ve aşırı hızlandırma ayarlarının karmaşık kayıt işlemini kolaylaştırır. OC DNA sayesinde, OC ayarlarınızı bir profil olarak kaydedebilir ve arkadaşlarınızla paylaşabilirsiniz! Arkadaşlarınız sizinkiyle aynı OC ayarlarına sahip olmak için OC profilini kendi sistemlerine yükleyebilir! Lütfen OC profilinin yalnızca aynı anakartta paylaşılabileceğini ve çalışabileceğini unutmayın.
9. iPhone/iPod/iPad Touch gibi Apple cihazlarınızı şarj etmek için daha hızlı ve daha özgür bir biçimde şarj etmek istiyorsanız, ASRock sizin için mükemmel bir çözüm hazırladı - ASRock APP Charger. Sadece APP Charger sürücünü kurarak, iPhone'unuzu bilgisayarınızdan daha çabuk

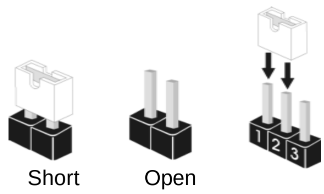
Türkçe

ve eskisinden 40% daha hızlı şekilde şarj edebilirsiniz. ASRock APP Charger birçok Apple cihazını aynı anda ve hızlı bir biçimde şarj etmenize olanak tanır ve hatta bilgisayarınız Bekleme modunda (S1), RAM'de Askıya Al modunda (S3), uyku modunda (S4) veya kapalı(S5) iken sürekli şarj etmeyi destekler. APP Charger sürücüsü kurulu iken kolaylıkla şimdiye hiç olmadığı kadar harika bir şarj deneyimi yaşayabilirsiniz. ASRock internet sitesi: http://www.asrock.com/Feature/AppCharger/index.asp

10. Yeni bir internet tarayıcısı işlevi olan SmartView, en sık ziyaret ettiğiniz web sitelerini, arama geçmişinizi, Facebook arkadaşlarınızı ve gerçek zamanlı haber akışınızı daha fazla kişisel internet deneyimi için gelişmiş bir görünüm içerisinde biraraya getiren IE akıllı başlangıç sayfanızdır. ASRock anakartlar özel olarak hareket halindeyken arkadaşlarınızla iletişim halinde kalmanıza yardım eden SmartView yardımcı programı ile donatılmıştır. SmartView özelliğini kullanmak için, lütfen işletim sistemi sürümünüzün Windows® 7 / Vista™ olduğundan ve tarayıcı sürümünüzün IE8 olduğundan emin olun. ASRock websitesi: http://www.asrock.com/Feature/SmartView/index.asp
11. ASRock XFast USB, USB bellek aygıtı performansını arttırabilir. Performans aygtının özelliğine göre değişiklik gösterebilir.
12. ASRock XFast LAN hızlı internet erişimi sağlarken aşağıdaki avantajlara da sahiptir. LAN uygulaması Önceliklendirmesi: Uygulama önceliğinizi ideal şekilde yapılandırabilir ve/veya yeni programlar ekleyebilirsiniz. Oyunda Daha Az Gecikme Zamanı: Çevrimiçi oyun önceliğini daha yükseğe ayarladığınızda, oyundaki gecikmeler azalabilir. Trafik Şekillendirme: Youtube HD video izleyebilir ve aynı anda dosyaları indirebilirsiniz. Verilerinizin Gerçek Zamanlı Analizi: Durum penceresi ile, şu anda aktardığınız hangi verilerin akışının yapıldığını kolaylıkla yapılandırabilirsiniz.
13. Bu anakart adımsız kontrole izin verse de aşırı hızlandırma uygulamanız önerilmez. Önerilen CPU veri yolu frekansları dışındaki frekanslar sistemin dengesiz olmasına veya CPU'nun zarar görmesine neden olabilir.
14. CPU aşırı ısınması algılandığında, sistem otomatik olarak kapatılır. Sistemi devam ettirmeden önce, lütfen anakarttaki CPU fanının düzgün çalıştığını kontrol edin ve güç kablosunu çıkarın, sonra geri takın. Isı geçişini artırmak için, PC sistemini yüklediğinizde CPU ile ısı emici arasına ısı macunu sürmeyi unutmayın.
15. Enerji Kullanan Ürün anlamına gelen EuP, tamamlanmış sistemler için güç tüketimini tanımlamak için Avrupa Birliği tarafından düzenlenen bir gerekliliktir. EuP'a göre, kapalı mod durumunda tamamlanmış sistemin toplam AC gücü 1,00W altında olmalıdır. EuP standardını karşılamak için, EuP hazır anakart ve EuP hazır güç kaynağı gerekir. Intel'in önerisine göre, EuP hazır güç kaynağının 100 mA akım tüketiminde 5v beklemede güç etkinliği %50'den yüksektir standardını karşılaması gerekir. EuP hazır güç kaynağı seçimi için, daha fazla ayrıntı için güç kaynağı üreticisine başvurmanızı öneririz.

1.3 Jumper'ların Ayarı

Şekilde jumper'ların nasıl ayarlandıkları gösterilmektedir. Jumper kapağı pinler üzerine yerleştirildiğinde jumper "Kapalı" dır. Jumper kapağı pinler üzerindeyken jumper "Açık" tır. Şekilde pin1 ve pin2'si "Kapalı" olan jumper kapağı bu 2 pine yerleştirilmiş 3-pinli jumper gösterilmektedir.



Jumper **Ayar**

PS2_USB_PWR1
(bkz. s.2, No. 1)



PS/2 veya USB23 uyandırma olayları için +5VSB'yi (bekleme) etkinleştirmek için pin2, pin3'ü kapatın.

Not: +5VSB'yi seçmek için, güç kaynağı tarafından sağlanan 2 Amp ve daha yüksek bekleme akımı gerektirir.

USB_PWR2
(bkz. s.2, No. 19)



USB01 uyandırma olayları için +5V_DUAL'ı etkinleştirmek için pin2, pin3'ü kapatın.

Not: +5V_DUAL'ı seçmek için, güç kaynağı tarafından sağlanan 2 Amp ve daha yüksek bekleme akımı gerektirir. +5V_DUAL'ı seçtiğinizde, USB cihazları S3 (RAM'de askıya alma) durumu altında sistemi uyandırabilir.

USB_PWR3
(bkz. s.2, No. 11)



USB4_5/6_7 uyandırma olayları için +5VSB'yi (bekleme) etkinleştirmek için pin2, pin3'ü kapatın.

Not: +5VSB'yi seçmek için, güç kaynağı tarafından sağlanan 2 Amp ve daha yüksek bekleme akımı gerektirir.

CMOS'u temizleme
(CLRCMOS1, 3-pinli jumper)
(bkz. s.2 No. 18)



Not: CLRCMOS1, CMOS içindeki verileri temizlemenizi sağlar. CMOS'daki veriler sistem parolası, tarih, saat ve sistem ayar parametreleri gibi sistem ayar bilgilerini içerir. Sistem parametrelerini temizlemek ve varsayılan ayarlara sıfırlamak için, lütfen bilgisayarı kapatın ve güç kablosunu güç kaynağından çıkarın. 15 saniye bekledikten sonra, CLRCMOS1'da pin2 ve pin3'ü kapatmak için 5 saniye kadar bir jumper kapağı kullanın. Ancak, lütfen

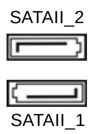
Türkçe

BIOS'u güncelledikten sonra CMOS haklarını temizlemeyin. BIOS güncellemesini bitirdikten hemen sonra CMOS'u temizlemeniz gerekiyorsa, önce sistemi açmanız gerekir ve sonra CMOS temizleme eylemini yapmadan önce kapatmanız gerekir.

1.4 Yerleşik Fişler ve Konektörler

Yerleşik fişler ve konektörler jumper DEĞİLDİR. Bu fişlerin ve konektörlerin üzerine jumper kapakları YERLEŞTİRMEYİN. Fişlerin ve konektörlerin üzerine jumper kapakları yerleştirmek anakartın kalıcı olarak zarar görmesine neden olabilir!

Seri ATAII Konektörler
(SATAII 1: bkz. s.2, No. 14)
(SATAII 2: bkz. s.2, No. 16)



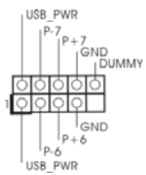
Bu İki Seri ATAII (SATAII) konektör, dahili depolama cihazları için SATA veri kablolarını destekler. Geçerli SATAII arayüzü 3,0 Gb/sn veri aktarım hızına izin verir.

Seri ATA (SATA) Veri Kablosu
(İsteğe bağlı)



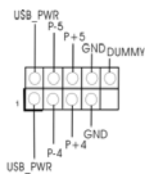
SATA veri kablosunu her iki ucu da SATA / SATAII sabit diskine veya anakarttaki SATAII konektörüne bağlanabilir.

USB 2.0 Fişleri
(9-pinli USB6_7)
(bkz. s.2 No. 13)

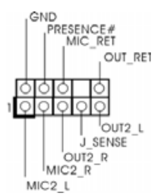


G/Ç panelindeki varsayılan dört USB 2.0 portundan başka, bu anakartta iki USB 2.0 fişi bulunur. Her USB 2.0 fişi iki USB 2.0 portunu destekler.

(9-pinli USB4_5)
(bkz. s.2 No. 17)



Ön Panel Ses Fişi
(9-pinli HD_SES1)
(bkz. s.2 No. 15)

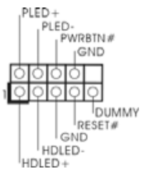


Bu, panel ses kablosu için uygun bağlantı sağlayan ve ses cihazlarını kontrol etmeyi sağlayan bir arayüzdür.

Türkçe

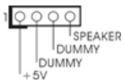
1. Yükse Tanımlı Ses Jak Duyarlılığını destekler, ancak kasadaki panel kablosunun HDA'nın düzgün çalışmasını desteklemesi gerekir. Lütfen sisteminizi yüklemek için kılavuzumuzdaki ve kasa kılavuzundaki talimatları izleyin.
2. AC'97 ses paneli kullanıyorsanız, lütfen ön panel ses fişine aşağıdaki gibi takın:
   A. Mic IN'i (MIC) MIC2 L'ye bağlayın.
   B. Audio R'yi (RIN) OUT2 R'ye ve Audio L'yi (LIN) OUT2 L'ye bağlayın.
   C. Ground'u (GND) Ground'a (GND) bağlayın.
   D. MIC RET ve OUT RET yalnızca HD ses paneli içindir. Bunları AC'97 ses paneli için bağlamanız gerekmez.

Sistem Paneli Fişi
(9-pinli PANEL1)
(bkz. s.2 No. 8)



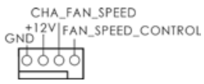
Bu fiş, birçok sistem ön paneli işlevini barındırır.

Kasa Hoparlörü Fişi
(4-pinli HOPARLÖR 1)
(bkz. s.2 No. 9)



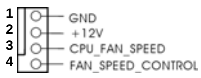
Lütfen kasa hoparlörünü bu fişe bağlayın.

Kasa Fan Konektörü
(4-pinli CHA FAN1)
(bkz. s.2 No. 2)



Lütfen kasa fan kablolarını fanına bu konektöre bağlayın ve siyah kabloyu toprak pinine bağlayın.

CPU Fan Konektörü
(4-pinli CPU FAN1)
(bkz. s.2 No. 20)

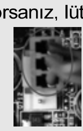


Lütfen fan kablolarını CPU fanına bu konektöre bağlayın ve siyah kabloyu toprak pinine bağlayın.

Bu anakart 4-Pinli CPU fan (Sessiz Fan) desteği sağlasa da, 3-Pinli CPU fan hızı kontrol işlevi olmadan bile hala başarılı bir şekilde çalışabilir. 3-Pinli CPU fanı bu konektördeki CPU fan konektörüne bağlamayı planlıyorsanız, lütfen Pin 1-3'e bağlayın.

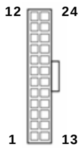
Pin 1-3 Bağlı

3-Pinli Fanı Takma



Türkçe

ATX Güç Konektörü
(24-pinli ATXPWR1)
(bkz. s.2 No. 7)



Lütfen bir ATX güç kaynağını bu konektöre bağlayın.

Bu anakart 24-pinli ATX güç konektörü sağlasa da geleneksel bir 20-pinli ATX güç kaynağı bağlarsanız da çalışabilir. 20-pinli ATX güç kaynağını kullanmak için, lütfen güç kaynağınızı Pin 1 ve Pin 13'le birlikte takın.



20-Pinli ATX Güç Kaynağını Takma

2. BIOS Bilgileri

Anakarttaki Flash Bellek BIOS Ayarları Yardımcı Programını içerir. Bilgisayarı başlattığınızda, lütfen Otomatik Güç Sınaması (POST) sırasında BIOS Ayarları yardımcı programına girmek için <F2> tuşuna basın; aksi halde, POST test rutinlerine devam eder. BIOS Ayarlarına POST'tan sonra girmek istiyorsanız, lütfen <Ctl> + <Alt> + <Delete> tuşlarına basarak veya sistem kasasındaki sıfırlama düğmesine basarak sistemi yeniden başlatın. BIOS Ayarları programı kullanıcı dostu olacak şekilde tasarlanmıştır. Çeşitli alt menüler arasında dolaşmanıza ve önceden belirlenen seçenekler arasından seçim yapmanıza izin veren menü tabanlı bir programdır. BIOS Ayarları hakkında ayrıntılı bilgi için, lütfen Destek CD'sinde bulunan Kullanıcı Kılavuzu'na (PDF dosyası) başvurun.

3. Yazılım Destek CD'si bilgileri

Bu anakart çeşitli Microsoft® Windows® işletim sistemleri destekler: 7 / Vista™ / XP. Anakartla birlikte gelen Destek CD'si anakart özelliklerini genişleten gerekli sürücüleri ve kullanışlı yardımcı programları içerir. Destek CD'sini kullanmaya başlamak için, CD'yi CDROM sürücünüze takın. Bilgisayarınızda "OTOMATİK KULLAN" özelliği etkinleştirilmişse, Ana Menüyü otomatik olarak görüntüler. Ana Menü otomatik olarak görüntülenmezse, menüleri görüntülemek için Destek CD'sinin “BIN” klasöründeki "ASSETUP.EXE" dosyasını bulun ve çift tıklatın.

1. 제품소개

ASRock의 *PV530A-ITX* 메인 보드를 구매하여 주신것에 대하여 감사 드립니다. 이 메인보드는 엄격한 품질관리 하에 생산되어진 신뢰성 있는 메인보드 입니다. 이 제품은 고 품격 디자인과 함께 ASRock의 우수한 품질과 최고의 안정성을 자랑하고 있습니다. 이 빠른 설치 안내서에는 마더보드에 대한 설명과 단계별 설치 방법이 실려 있습니다. 마더보드에 대한 보다 자세한 내용은 지원 CD
의 사용 설명서에서 확인할 수 있습니다.

> 메인보드의 사양이나 바이오스가 업 데이트 되기 때문에 이 사용자 설명서의 내용은 예고 없이 변경되거나 바뀔 수가 있습니다. 만일을 생각해서 이 사용자 설명서의 어떤 변경이 있으면 ASRock 의 웹 사이트에서 언제든지 업 데이트를 하실 수 있습니다. 웹사이트에서 최신 VGA 카드와 CPU 지원 목록을 확인할 수 있습니다. ASRock의 웹사이트 주소는 http://www.asrock.com 입니다.
> 본 머더보드와 관련하여 기술 지원이 필요한 경우 당사 웹 사이트를 방문하여 사용 중인 모델에 대한 특정 정보를 얻으십시오.
> www.asrock.com/support/index.asp

1.1 패키지 내용

ASRock *PV530A-ITX* 마더보드
(Mini-ITX 폼 팩터: 6.7" X 6.7", 17.0 x 17.0 cm)
ASRock *PV530A-ITX* 퀵 설치 가이드
ASRock *PV530A-ITX* 지원 CD
시리얼 ATA (SATA) 데이터 케이블 2 개 (선택 사양)
I/O 차폐 1 개

한국어

1.2 설명서

플랫폼	- Mini-ITX 폼 팩터: 6.7" X 6.7", 17.0 x 17.0 cm - CPU 전원용 솔리드 콘덴서
CPU	- 번들 VIA® PV530 (1.8 GHz) - FSB800 MHz - 언타이드 오버클러킹(Untied Overclocking) 기술 지원 (**주의 1 참조**)
칩셋	- VIA® VX900 A3
메모리	- DDR3 DIMM 슬롯 2 개 - DDR3 1066/800 비-ECC, 언버퍼드 메모리를 지원 (**주의 2 참조**) - 최대 시스템 메모리 용량: 4GB (**주의 3 참조**)
확장 슬롯	- 1 개의 PCI 슬롯
온보드 VGA	- 내장형 VIA® Chrome9 HD DX9 Graphics - Pixel Shader 2.0, DX9.0 VGA - 최대 공유 메모리 512MB (**주의 4 참조**) - 최대 해상도 2048x1536 @ 75Hz 까지 D-Sub 지원
오디오	- 5.1CH HD 오디오 (VIA® VT1705 오디오 코덱)
랜	- Realtek PCIE x1 LAN 8105E - 속도 : 10-100 이더넷 - 웨이크-온-랜 지원 - PXE 지원
후면판 I/O	I/O Panel - 1 개 PS/2 마우스 포트 - 1 개 PS/2 키보드 포트 - 1 개의 병렬 포트:ECP/EPP 지원오 디오 잭 - 1 개의 COM1 - 1 개의 VGA 포트 - 4 개디폴트 USB 2.0 포트 - 1 개 LED(ACT/LINK LED 및 SPEED LED)가 있는 RJ-45 LAN 포트 - 라인 출력/라인 입력/마이크 폰+게임 포트
온보드 헤더 및 커넥터	- 2 개의 SATA2 3.0Gb/s 커넥터 (**주의 5 참조**) - CPU/섀시 팬 커넥터 - 24 핀 ATX 전원 헤더 - 전면부 오디오 콘넥터 - USB 2.0 헤더 2개 (4개의 USB 2.0 포트 지원)

한국어

BIOS	- 4Mb AMI BIOS - AMI 에 따른 바이오스 : "플러그 앤 플레이" 지원 - ACPI 1.1 웨이크 - 업 이벤트와의 호환 - 점퍼 프리 지원 - SMBIOS 2.3.1 지원
지원 CD	- 드라이버, 유틸리티, 안티 바이러스 소프트웨어 (트라이얼 버전), CyberLink MediaEspresso 6.5 평가판, ASRock 소프트웨어 세트 (CyberLink DVD 스위트 - OEM 및 시험판; 크리에이티브 사운드 블라스터 X-Fi MB - 시험판, ASRock MAGIX Multimedia Suite - OEM)
특점및 특성	- ASRock OC 튜너 (**주의 6 참조**) - ASRock Instant Boot - ASRock Instant Flash (**주의 7 참조**) - ASRock OC DNA (**주의 8 참조**) - ASRock APP Charger (**주의 9 참조**) - ASRock SmartView (**주의 10 참조**) - ASRock XFast USB (**주의 11 참조**) - ASRock XFast LAN (**주의 12 참조**) - 하이드브리 부스터: - CPU 주파수의 단계적인 조절 (**주의 13 참조**) - ASRock U-COP (**주의 14 참조**) - B.F.G..(Boot Failure Guard)
하드웨어 모니터	- CPU 온도 감지 - 마더보드 온도 감지 - CPU 과열시 CPU 수명 보호를 위한 시스템 정지기능 - CPU 팬 회전 속도계:샤시(케이스) 팬 회전 속도계 - CPU 소음팬 - CPU/ 섀시 팬 멀티스피드 컨트롤 - 전압 감시 기능 : +12V,+5V,+3.3V,Vcore
OS	- 마이크로 소프트 Windows® 7/Vista™/XP 와 호환
인증서	- FCC, CE, WHQL - ErP/EuP 지원(ErP/EuP 지원 전원 공급기가 요구됨) (**주의 15 참조**)

* 상세한 제품정보는 당사의 웹사이트를 방문할수있습니다. http://www.asrock.com

경 고

오버클로킹에는 BIOS 설정을 조정하거나 Untied Overclocking Technology를 적용하거나 타업체의 오버클로킹 도구를 사용하는 것을 포함하여 어느 정도의 위험이 따른다는 것을 유념하십시오. 오버클로킹은 시스템 안정성에 영향을 주거나 심지어 시스템의 구성 요소와 장치에 손상을 입힐지도 모릅니다. 오버클로킹은 사용자 스스로 위험과 비용을 감수하고 해야 합니다. 당사는 오버클로킹에 의해 발생할 수 있는 손상에 대해서 책임이 없습니다.

한 국 어

주의!

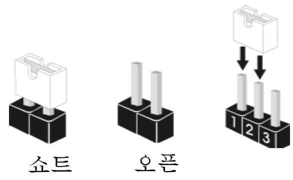
1. 이 마더보드는 언타이드 오버클러킹 기술을 지원합니다. 자세한 내용은 15 페이지의 "언타이드 오버클러킹 기술"을 읽으십시오.
2. DDR3 1066 메모리 모듈은 DDR3 DIMM 슬롯들 가운데 하나에만 설치할 수 있습니다. 두 개의 DDR3 1066 메모리 모듈을 이 마더보드에 설치할 경우 DDR3 800으로 동작합니다.
3. 칩셋의 한계 때문에, Windows® OS에서 시스템 사용 예약을위한 실제 메모리 크기가 4 GB 미만으로 떨어질 수 있습니다.
4. 칩세트의 제조원이 정하였거나 그변화를 한제하게되는 최대 공유 메모리의 크기에 대하여, VIA® 의 웹사이트를 방문하여 최신 정보를 받으십시요.
5. SATAII 하드 디스크를 SATAII 커넥터에 연결하기 전에, 지원 CD 의 "User Manual" (사용 설명서)18페이지에 나와 있는 "SATAII Hard Disk Setup Guide" (SATAII 하드 디스크 설치 설명서) 에 따라 SATAII 하드 디스크 드라이브를 SATAII 모드로 조정하십시오. 또한 SATA 하드 디스크를 SATAII 커넥터에 직접 연결할 수 있습니다.
6. 이것은 사용하기 쉬운ASRock 오버클러킹 툴이며 당신으로하여금, 하드웨어 모니터 기능 으로 당신의 시스템을 감시하며 하드웨어 시설을 오버클러킹함으로서Windows® 환경속에서 가장 우수한 시스템 작업을 실현합니다. 당사의 웹사이트를 방문하여ASRock OC 튜너의 작업 절차를요해할수있습니다.
   ASRock 웹사이트: http://www.asrock.com
7. ASRock Instant Flash는 플래시ROM에 내장된 BIOS 유틸리티입니다. 이 편리한 BIOS 업데이트 툴을 사용하면 먼저 MS-DOS나 Windows® 같은 운영체제에 들어가지 않고도 시스템 BIOS를 업데이트할 수 있습니다. POST 중에 BIOS 셋업 메뉴에서 <F6> 키를 누르거나 <F2> 키를 누르면 이 유틸리티로 ASRock Instant Flash에 액세스할 수 있습니다.. 이제 이 툴을 시작하여 USB 플래시 드라이브, 플로피 디스크 또는 하드 드라이브에 새 BIOS 파일을 저장하면 플로피 디스켓이나 기타 복잡한 플래시 유틸리티를 추가로 준비하지 않고도 몇 번의 클릭만으로도 BIOS를 업데이트할 수 있습니다. USB 플래시 드라이브 또는 하드 드라이브는 FAT32/16/12 파일 시스템을 사용해야 합니다.
8. 소프트웨어 이름 자체에서 볼 수 있듯이 OC DNA 는 문자 그대로 자신의 기능을 잘 드러내고 있습니다. ASRock 이 개발한 독보적인 유틸리티인 OC DNA 에서 사용자가 매우 편리하게 OC 설정을 기록하고 이를 다른 사용자와 공유할 수 있습니다. 이 소프트웨어를 사용하면 운영 체제에 오버클로킹 기록을 저장하여 오버클로킹 설정의 복잡한 기록 과정을 단순화하는 데 도움이 됩니다. 또한 OC DNA 를 사용하여 OC 설정을 프로파일로 저장하고 이를 친구와 공유할 수 있습니다! 이 경우 친구는 OC 프로파일을 자신의 시스템에 로드하여 사용자와 동일한 OC 설정을 불러올 수 있습니다! 단, OC 프로파일은 동일한 메인보드에서만 공유 및 사용이 가능합니다.

9. 아이폰/아이팟 터치/아이패드와 같은 Apple 기기들을 더 빠르고 덜 제한된 방식으로 충전하려는 경우, ASRock이 제공하는 놀라운 솔루션인 ASRock APP Charger를 이용하십시오. APP Charger 드라이버를 설치하기만 하면 아이폰이 컴퓨터를 통해서 훨씬 더 빨리 충전되며 충전 속도도최대 40% 더 빨라집니다. ASRock APP Charger는 많은 Apple 기기를 동시에 빨리 충전할 수 있게 하며, PC가 대기 모드(S1), RAM에 대한 일시 중단(S3), 최대 절전 모드(S4) 또는 전원 꺼짐 모드(S5)에 들어갈 때도 연속적충전을 지원합니다. APP Charger 드라이버를 설치하면 그 어느 때보다 더간편하고 빠르게 충전할 수 있습니다. ASRock 웹사이트: http://www.asrock.com/Feature/AppCharger/index.asp
10. 인터넷 브라우저의 새로운 기능인 SmartView는 사용자가 가장 많이 방문하는 웹사이트, 열어본 페이지 목록, 페이스북 친구, 실시간 뉴스 피드를 하나의 개선된 보기로 결합한 IE용 스마트 시작 페이지로서 더욱 개별화된 인터넷 경험을 제공합니다. ASRock 메인보드가 SmartView 유틸리티에 전용으로 탑재되어 이동 중인 친구와 계속 접촉할 수 있도록 돕습니다. SmartView 기능을 사용하려면 OS 버전이 Windows® 7 / Vista™ 이고 브라우저 버전이 IE8 이어야 합니다.
ASRock 웹 사이트: http://www.asrock.com/Feature/SmartView/index.asp
11. ASRock XFast USB는 USB 스토리지 장치 성능을 높여줍니다. 성능은 장치의 속성에 따라 다를 수 있습니다.
12. ASRock XFast LAN은 더 빠른 인터넷 접속과 아래와 같은 이점을 제공합니다. LAN 응용 프로그램 우선순위 결정: 응용 프로그램 우선순위를 이상적으로 구성할 수 있고/또는 새 프로그램을 추가할 수 있습니다. 게임 지연 시간감소: 온라인 게임 우선순위를 더 높게 설정한 후 게임 지연 시간을 낮출 수 있습니다. 트래픽 형성: Youtube HD 비디오를 보면서 동시에 파일을 다운로드할 수 있습니다. 데이터의 실시간 분석: 상태창에서 현재 어떤 데이터 스트림을 전송 중인지 쉽게 알 수 있습니다.
13. 본 마더보드는 직접 조절 기능을 제공하지만, 오버 클러킹을 하는 것은 권장되지 않습니다. 권장하는 CPU 주파수 외에 다른 주파수를 설정 시에는 시스템이 불안정해지거나, 메인보드와 CPU의 불량이 발생 할 수 있으므로 가급적 사용 하지 마십시오.
14. 시스템을 다시 시작하기 전에 메인보드 위의 CPU 팬이 정상적으로 동작 또는 장착되어 있는지 확인하여 주십시오. 고온 방지를 위하여 PC 시스템을 설치할 때 CPU와 방열판사이에 그리스를 발라 주셔야 합니다.
15. EuP는 Energy Using Product (에너지 사용 제품)의 약어이며 유럽연합이 완제품 시스템의 전력 소비량을 정의하기 위해 제정한 표준이었습니다. EuP에 따르면, 완제품 시스템의 총 AC 전원은 끄기 모드 상태에서 1.00W 미만이어야 합니다. EuP 표준을 충족하려면 EuP 지원 마더보드 및 EuP 지원 전원공급장치가 필요합니다. 인텔(Intel)의 제안에 따르면 EuP 지원 전원공급장치는 5V 대기 전력 효율이 100 mA 전류 소비 하에서 50% 보다 높아야 한다는 기준을 충족해야 합니다. EuP 지원 전원공급장치를 선택하려면 전원공급장치 제조업체에 자세한 사항을 문의하시기 바랍니다.

한국어

1.3 점퍼 셋팅

그림은 점퍼를 어떻게 셋업 하는지를 보여줍니다. 점퍼 캡이 핀 위에 있을 때, 점퍼는 "쇼트" 입니다. 점퍼 캡이 핀 위에 없을 때 점퍼는 "오픈" 입니다. 그림은 3 개의 핀 중 1-2 번 핀이 "쇼트" 임을 보여주는 것이며, 점퍼 캡이 이 두 핀 위에 있음을 보여주는 것입니다.



점퍼 **세팅**

PS2_USB_PWR1
(2 페이지, 1 번 항목 참조)



PS/2 또는 USB23 를 깨어나게 하기 위해서는 2 번과 3 번 핀을 "쇼트" 하여야 합니다.

참고: +5VSB 선택할 경우 2 암페어 정도 높은 전류 공급을 요구합니다.

USB_PWR2
(2 페이지, 19 번 항목 참조)



USB01 를 깨어나게 하기 위해서는 2 번과 3 번 핀을 +5V_DUAL 하여야 합니다.

참고: +5V_DUAL 선택할 경우 2 암페어 정도 높은 전류 공급을 요구합니다. +5V_DUAL 을 선택하면, USB 장치가 시스템을 S3 (Suspend to RAM) 상태에서 해제할 수 있습니다.

USB_PWR3
(2 페이지, 11 번 항목 참조)



USB4_5/6_7 를 깨어나게하기 위해서는 2 번과 3 번 핀을 "쇼트" 하여야 합니다.

참고: +5VSB 선택할 경우 2 암페어 정도 높은 전류 공급을 요구합니다.

CMOS 초기화
(CLRCMOS1, 3 핀 점퍼)
(2 페이지, 18 번 항목 참조)

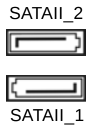


참고: CLRCMOS1 은 CMOS 의 데이터를 삭제할 수 있게 합니다. CMOS 의 데이터는 시스템 암호, 날자, 시간 및 시스템 설정 매개 변수와 같은 시스템 설정 정보를 포함합니다. 시스템 매개 변수를 삭제하고 기본 설정으로 초기화하려면 컴퓨터를 끄고 전원 코드를 뽑은 후 점퍼 캡을 사용하여 CLRCMOS1 의 2 번과 3 번 핀을 5 초간 단락시키십시오. CMOS 를 초기화 한 뒤, 반드시 점퍼 캡을 제거하여야 합니다. 바이오스 업데이트를마친 후 CMOS 를 삭제해야하는 경우 CMOS 삭제 동작 전에 시스템을 먼저부팅했다가 종료해야 합니다.

1.4 온보드 헤더 및 커넥터

주의!
온보드 헤더와 커넥터는 단자가 **아닙니다**. 점퍼 캡을 헤더와 커넥터에 씌우지 **마십시오**. 점퍼 캡을 헤더와 커넥터에 씌우면 마더보드가 영구적으로 손상됩니다!

시리얼 ATAII 커넥터
(SATAII_1: 2 페이지, 14 번 항목 참조)
(SATAII_2: 2 페이지, 16 번 항목 참조)



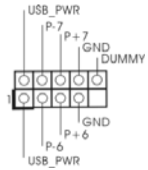
2 개의 직렬 ATA (SATAII) 커넥터가 내부 저장 장치용 SATA 또는 SATAII HDD 를 지원합니다. 커넥터가 내부기억 장치용 SATAII 케이블을지원합니다. 현재의 SATAII 인터페이스는최고 3.0 Gb/s 의데이터 전송 속 도를지원합니다.

시리얼 ATA(SATA)
데이터 케이블
(선택 사양)

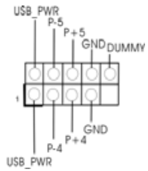


SATA 데이터 케이블의 어느 쪽이든 SATA / SATAII 하드 디스크나 마더보드의 SATAII 커넥터에 연결할 수 있습니다.

USB 2.0 헤더
(9 핀 USB6_7)
(2 페이지, 13 번 항목 참조)

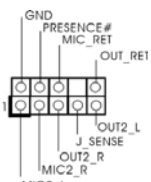


(9 핀 USB4_5)
(2 페이지, 17 번 항목 참조)



본 머더보드에는 I/O 패널에 있는 4 개의 기본 USB 2.0 포트 외에도 USB 2.0 헤더가 2 개 있습니다. 각각의 USB 2.0 헤더는 2 개의 USB 2.0 포트를 지원할 수 있습니다.

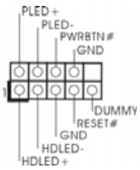
전면부 오디오 콘넥터
(9 핀 HD_AUDIO1)
(2 페이지, 15 번 항목 참조)



이 콘넥터는 오디오 장치를 편리하게 조절하고 연결할 수 있는 전면 오디오 인터페이스 입니다.

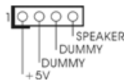
1. High Definition Audio(고음질 오디오)는 잭 센스 기능을 지원하나, 제대로작동하려 면 섀시의 패널 와이어가 HAD를 지원해야 합니다. 이 설명서 및 섀시 설명서의지침 을 따라 시스템을 설치하십시오.
2. AC' 97 오디오 패널을 사용하는 경우, 이를 아래와 같이 프런트 패널 의오디오헤 더에 설치하십시 오.
   A. Mic_IN (MIC)을 MIC2_L에 연결합니다.
   B. Audio_R (RIN)을 OUT2_R에 연결하고, Audio_L (LIN)을 OUT2_L에 연결합 니다.
   C. Ground (GND)을 Ground (GND) 에 연결합니다.
   D. MIC_RET 및 OUT_RET는 HD 오디오 패널 전용입니다. 이들을 AC' 97 오디오 패널에 연결 하지 않아도 됩니다.

시스템 콘넥터
(9 핀 PANEL1)
(2 페이지, 8 번 항목 참조)



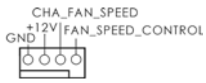
이 콘넥터는 시스템 전면 패널 기능을 지원하기 위한 것입니다.

새시 스피커 헤더
(4 핀 SPEAKER 1)
(2 페이지, 9 번 항목 참조)



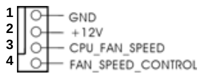
새시 스피커를 이 헤더에 연결하십시오.

새시 팬 커넥터
(4핀 CHA_FAN1)
(2 페이지, 2 번 항목 참조)



새시 팬 케이블을 이 커넥터에 연결하고 흑색 선을 접지 핀에 맞추십시오.

CPU 팬 커넥터
(4 핀 CPU_FAN1)
(2 페이지, 20 번 항목 참조)

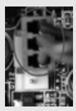


CPU 팬 케이블을 이 커넥터에 연결하고 흑색 선을 접지 핀에 맞추십시오.

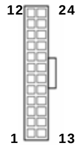
본 머더보드가 4핀 CPU 팬(저소음 팬) 지원을 제공하기는 하지만 팬 속도 제어 기능없이도 3핀 CPU 팬을 성공적으로 작동할 수 있습니다. 본 머더보드의 CPU 팬 커넥터에 3핀 CPU 팬을 연결하려면 1-3번 핀에 연결하십시오.

1-3 번 핀에 연결됨

3핀 팬 설치



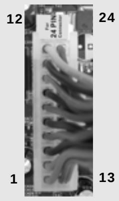
ATX 전원 헤더
(24 핀 ATXPWR1)
(2 페이지, 7 항목 참조)



ATX 전원 공급기를 이 헤더에 연결하십시오.

한국어

이 마더보드는 24핀 ATX 전원 커넥터를 제공하지만, 종래의 20핀 ATX 전원공급장치를 사용해도 작동이 가능합니다. 20핀 ATX 전원 공급장치를 사용하려면, Pin 1과 Pin 13으로 전원공급 장치를 연결하십시오.



20 핀 ATX 전원 공급장치 설치

2. 시스템 바이오스 정보

메인보드의 플래쉬 메모리에는 바이오스 셋업 유틸리티가 저장되어 있습니다. 컴퓨터를 사용하실 때, " 자가진단 테스트 "(POST) 가 실시되는 동안 <F2>키를 눌러 바이오스 셋업으로 들어가세요; 만일 그렇게 하지 않으면 POST 는 테스트 루틴을 계속하여 실행할 것입니다. 만일 POST 이후 바이오스 셋업을 하기 원하신다면,<Ctl>+<Alt>+<Delete>키를 누르거나, 또는 시스템 본체의 리셋 버튼을 눌러 시스템을 재 시작하여 주시기 바랍니다. 바이오스 셋업 프로그램은 사용하기 편하도록 디자인되어 있습니다. 각 항목은 다양한 서브 메뉴 표가 올라오며 미리 정해진 값 중에서 선택할 수 있도록 되어 있습니다. 바이오스 셋업에 대한 보다 상세한 정보를 원하신다면 보조 CD 안의 포함된 사용자 매뉴얼(PDF 파일)을 따라 주시기 바랍니다.

3. 소프트웨어 지원 CD 정보

이 메인보드는 여러 가지 마이크로소프트 윈도우 운영 체계를 지원합니다: 7/ Vista™/XP. 메인보드에 필요한 드라이버와 사용자 편의를 위해 제공되는 보조 CD 는 메인보드 의 기능을 향상시켜 줄 것입니다. 보조 CD 를 사용하여 시작하시려면, CD-ROM 드라이브에 CD 를 넣어주시기 바랍니다. 만일 고객님의 컴퓨터가 "AUTORUN" 이 가능하다면 자동으로 메인 메뉴를 모니터에 디스플레이 시켜 줄 것입니다. 만일 자동으로 메인 메뉴가 나타나지 않는다면, 보조 CD 의 디스플레이 메뉴 안에 있는 BIN 폴더의 ASSETUP.EXE 파일을 더블 클릭하여 주시기 바랍니다.
(D: \ BIN \ ASSETUP.EXE, D:는 CD-ROM 드라이브)